

Synthesis of Shape-Controlled NiO/Graphene Nanocomposites with Enhanced  
Supercapacitive Properties

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**1. Different magnification SEM images of GN-f.**

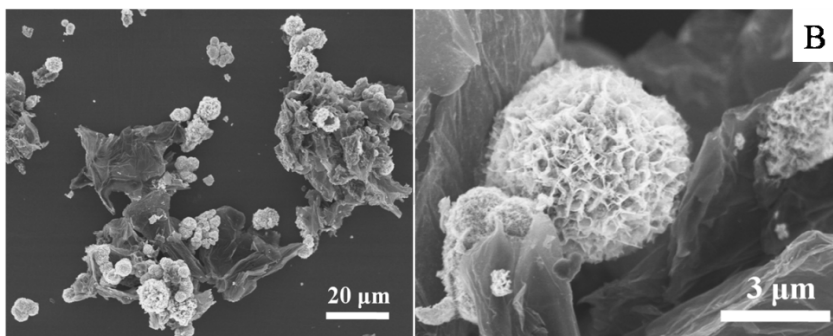


Fig.S1 SEM images of GN-f with different magnification.

**2. TEM images of flowerlike and polyhedral NiO/graphene nanocomposites**

TEM was employed for the crystal structure investigation. Fig. S2a showed a typical micrograph with a diameter about 3 μm, consistent with the morphology observed in SEM image. It was detected the NiO flower anchored on crumbled graphene. In the fig. S2b, a lot of polyhedral NiO were distributed on graphene sheets with average 50 nm in size.

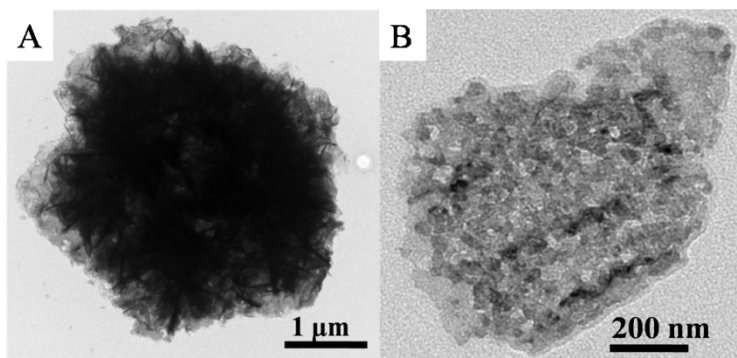


Fig.S2 TEM images of GN-f (A) and GN-P (B)

### 3. XPS, XRD pattern, and FT-IR of rGO.

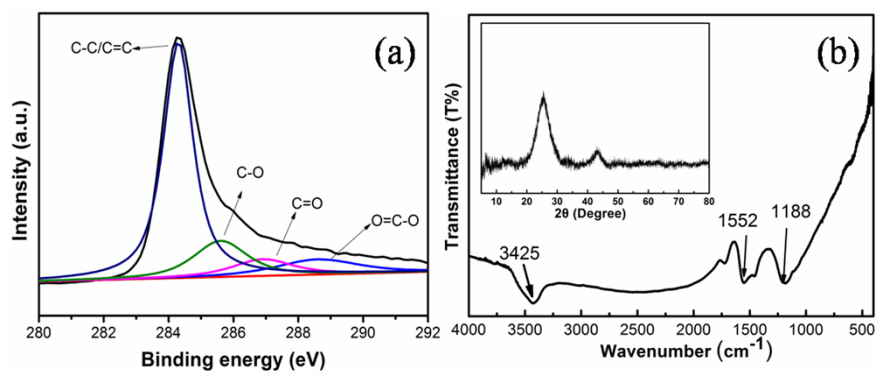


Fig.S3 XPS spectrum (a) and FT-IR spectrum (b) (inset the XRD pattern) of rGO