Supporting Information

Rational synthesis of Ni nanoparticle-embedded porous graphitic carbon nanosheets with enhanced lithium storage properties

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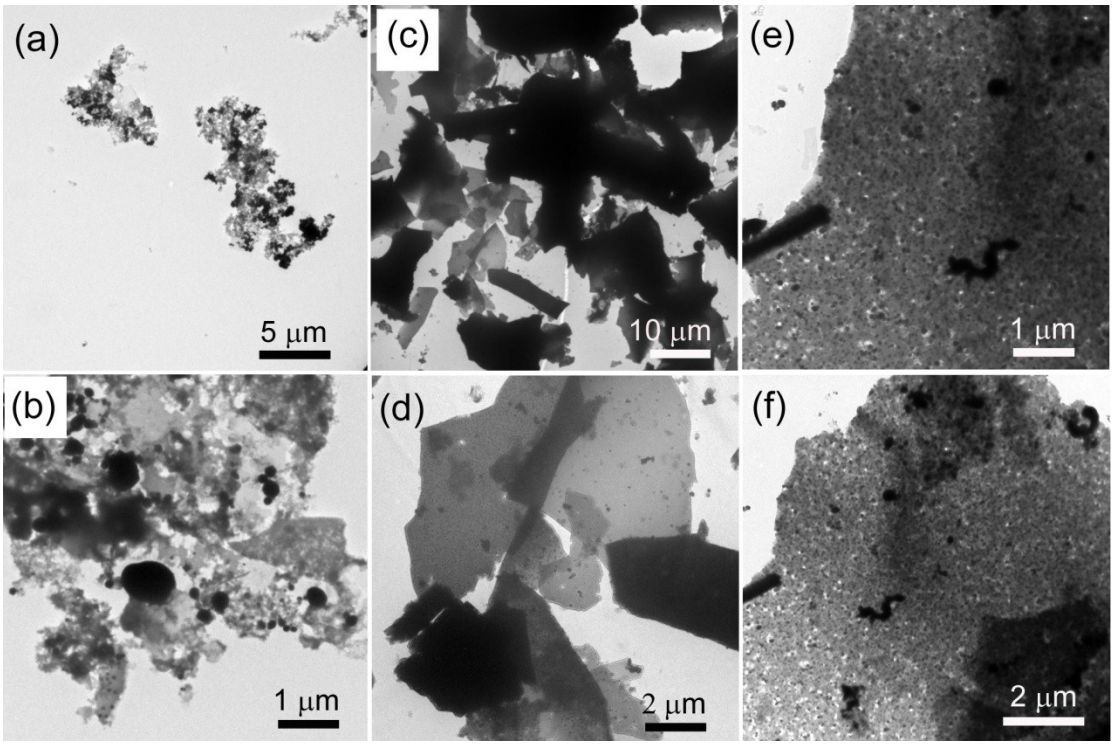

Figure S1. TEM images of the products obtained in the presence of different amounts of $Ni(NO_3)_2 \cdot 6H_2O$. (a)-(b) 0.10 g, (c)-(d) 0.20 g, and (e)-(f) 0.40 g.

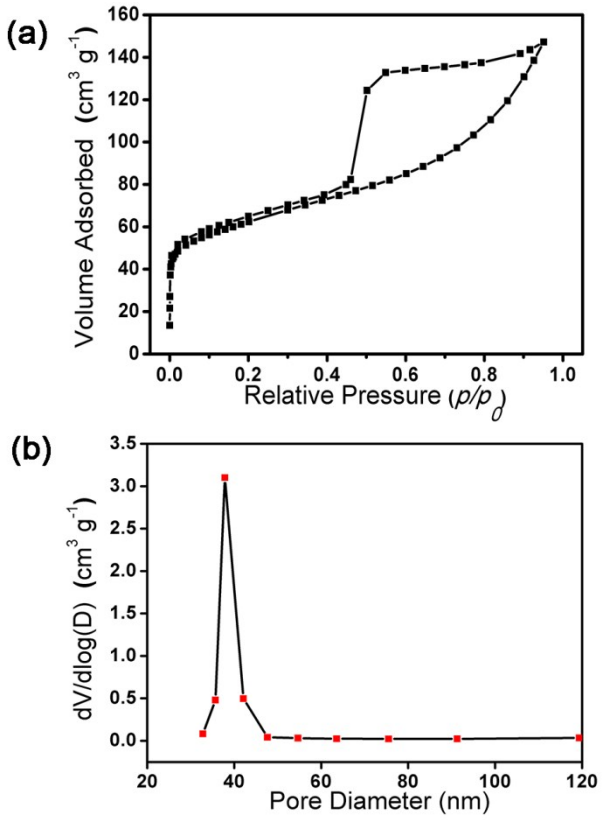

Figure S2. N_2 adsorption-desorption isotherms (a) and pore-size distribution curve (b) of the obtained Ni@PGC nanosheets.

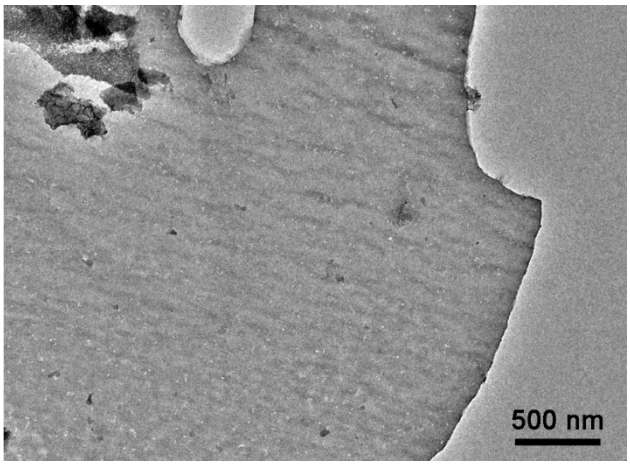

Figure S3. TEM image of the obtained pure 2D porous graphitic carbon (PGC) nanosheet.

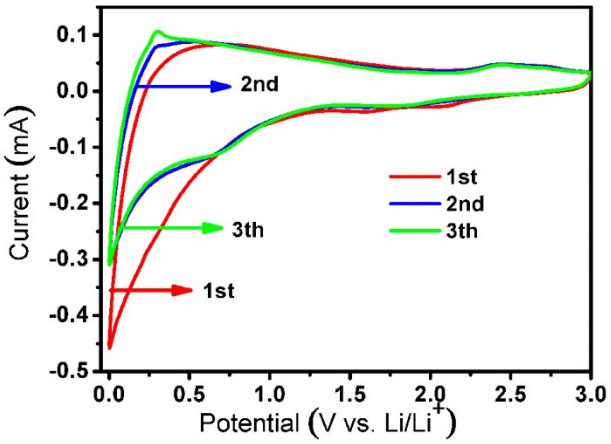

Figure S4. Representative CVs of the pure 2D porous graphitic carbon (PGC) nanosheets at a scan rate of 0.1 mVs^{-1}.

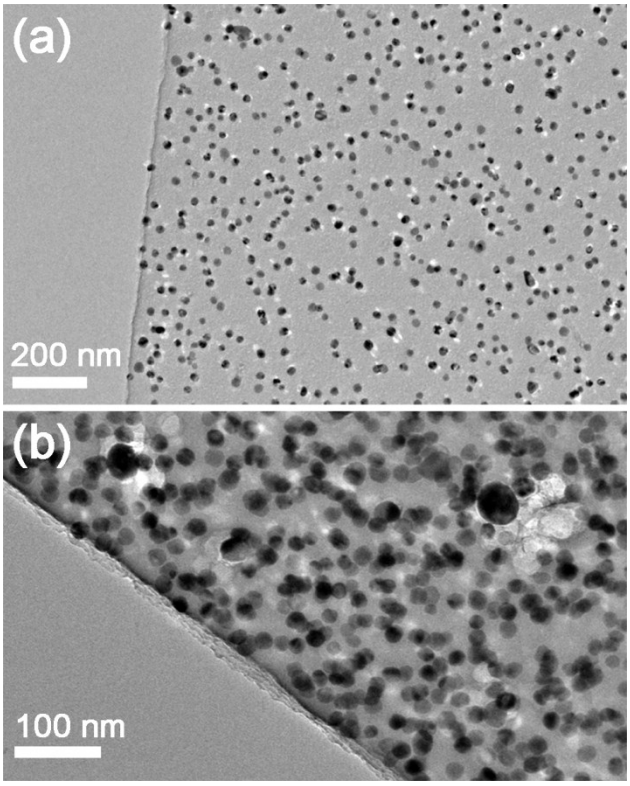

Figure S5. TEM images of the as-synthesized 2D Ni@PGC nanosheets before (a) and after (b) cycling tests.