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$_3$)$_2$•6H$_2$O. (a)-(b) 0.10 g, (c)-(d) 0.20 g, and (e)-(f) 0.40 g.
Figure S2. $\text{N}_2$ 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.