Supporting Information: A Facile Method to In-Situ Synthesize Porous Ni$_2$GeO$_4$ Nano-Sheets on Nickel Foam as Advanced Anode Electrodes for Li Ion Batteries

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**Figure S1.** Energy dispersive X-ray spectroscopy (EDS) spectrum of the precursor.

**Figure S2.** SEM images of as-prepared samples. (a,b) without controlling the pH, (c,d) without adding GeO$_2$, (e) without adding NH$_4$OH and GeO$_2$. 
Figure S3. SEM images of as-prepared samples with different reaction time. (a,b) 3h and (c,d) 12 h.

Figure S4. SEM images of as-prepared nano-sheet precursor at different conductive substrate. (a–d) on Cu foil and (e–h) on stainless steel wire.

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