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Supporting Information

Soft-templated synthesis of core-shell heterostructured
 Ni_3S_2 @polypyrrole nanotube aerogels as anode materials for
high-performance lithium ion batteries

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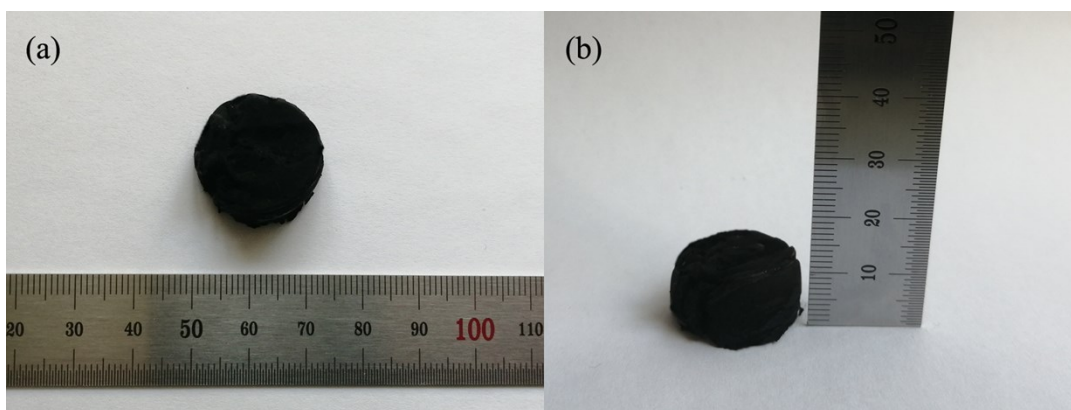


Fig. S1 Digital photographs of $\text{Ni}_3\text{S}_2@\text{PPy}$ nanotube aerogels.

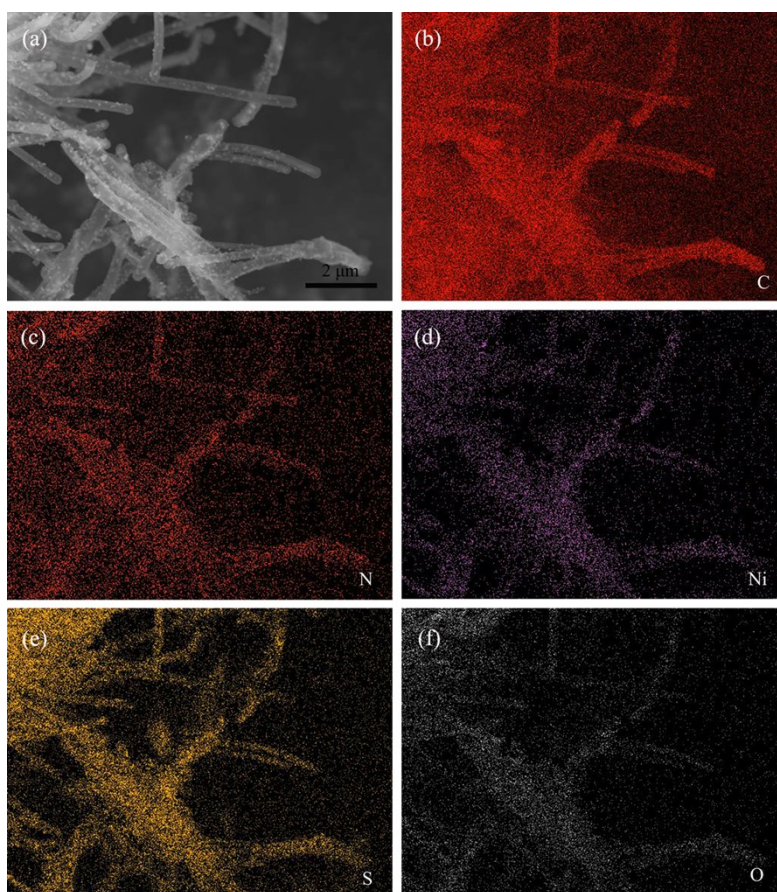


Fig. S2 (a) SEM image of cross-sections of the $\text{Ni}_3\text{S}_2@\text{PPy}$ nanotube aerogels; corresponding EDX elemental mapping of (b) carbon, (c) nitrogen, (d) nickel, (e) sulfur and (f) oxygen.

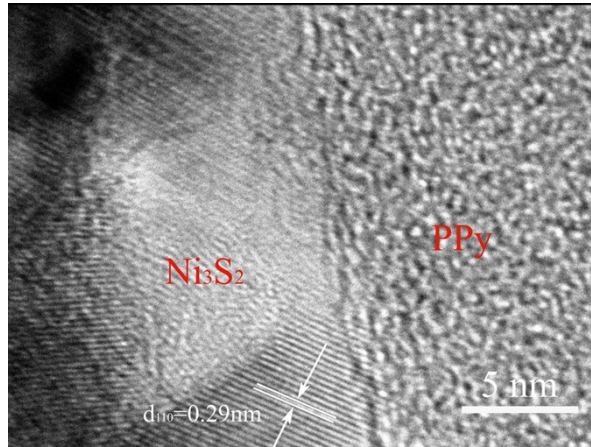


Fig. S3 HRTEM image of the $\text{Ni}_3\text{S}_2@\text{PPy}$ nanotube aerogels.

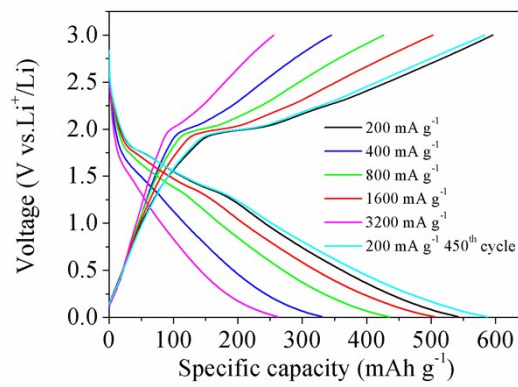


Fig. S4 The typical charge-discharge curves of the $\text{Ni}_3\text{S}_2@\text{PPy}$ electrode at various current densities in the range of 0.005-3.0V vs. Li/Li^+ .