CHEMISTRY & SUSTAINABILITY
CHEMSUSCHEM
ENERGY & MATERIALS

Supporting Information

Hierarchical Sulfur-Based Cathode Materials with Long Cycle Life for Rechargeable Lithium Batteries

Jiulin Wang,*[a] Lichao Yin,[a] Hao Jia,[a] Haitao Yu,[a] Yushi He,[a] Jun Yang,[a] and Charles W. Monroe[b]

cssc_201300742_sm_miscellaneous_information.pdf

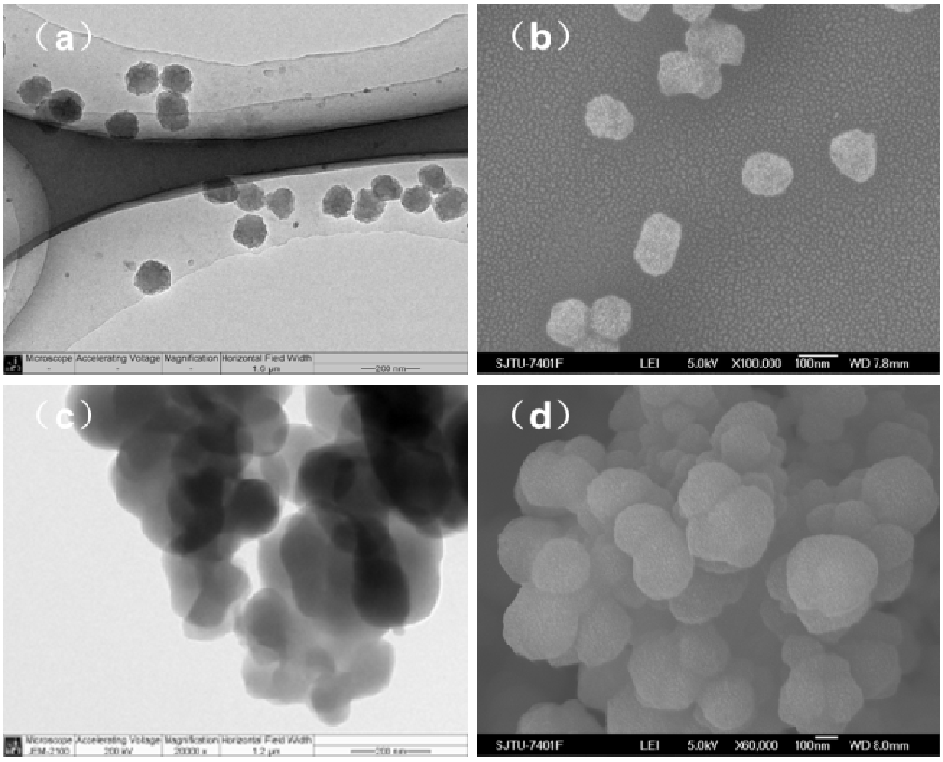

Figure S1. TEM (a), SEM (b) images of mono dispersed PAN nanoparticles; TEM (c) and SEM (d) images of commercialized PAN

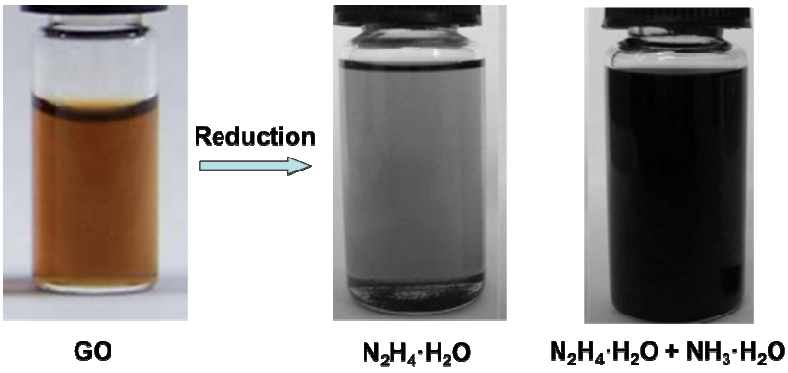

Figure S2. Photographs of aqueous dispersions of GO and GNS obtained from different reduced condition.

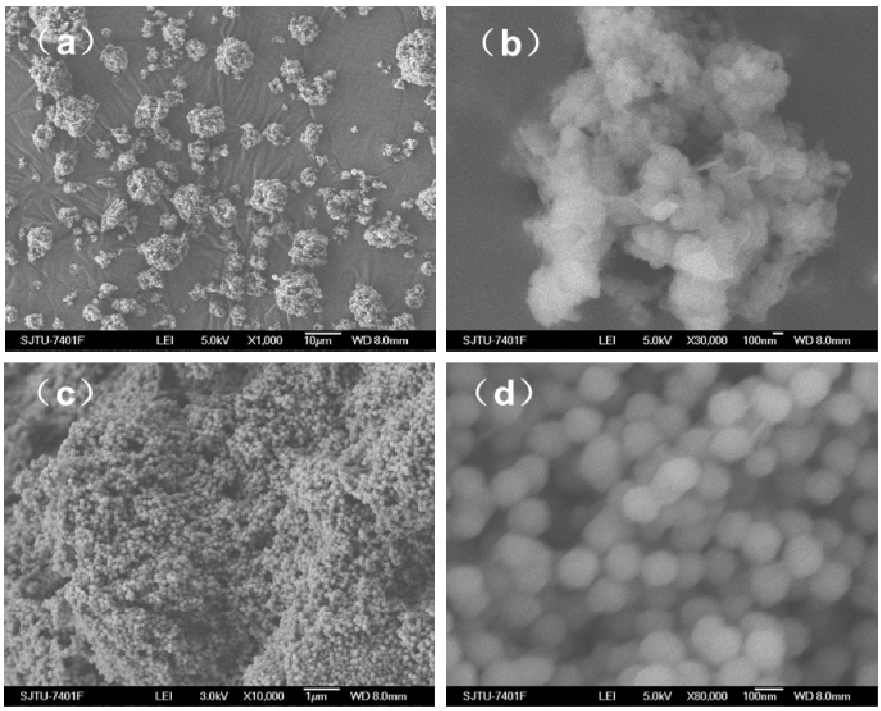

Figure S3. SEM images of the Sample B (a, b) and the Sample C (c, d). Sample B with the precursor prepared via spray drying of commercialized PAN with GNS; Sample C with the precursor prepared via heating drying of PAN nanoparticles with GNS.

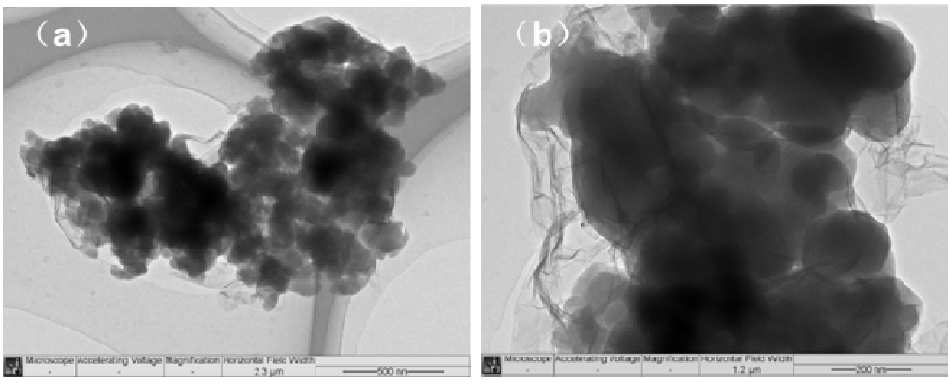

Figure S4. TEM images of the Sample B with the precursor prepared via spray drying of commercialized PAN with GNS.

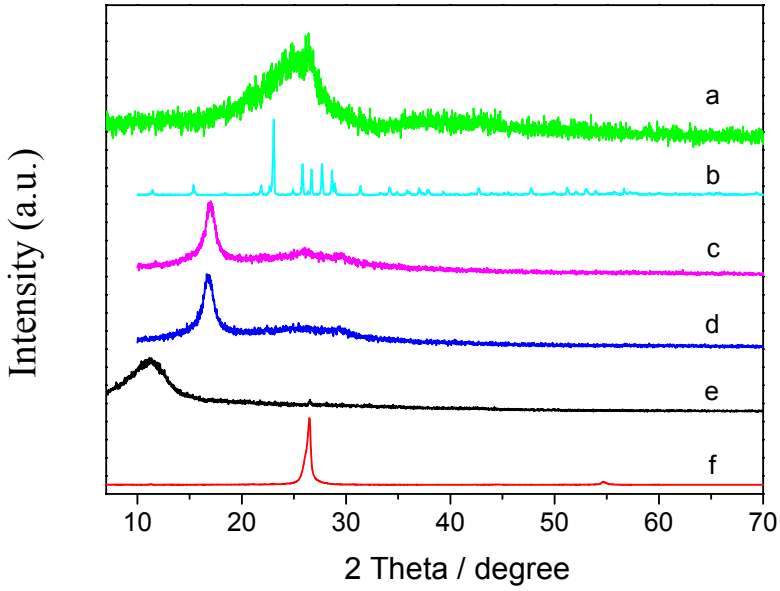

Figure S5. XRD patterns for (a) pPAN-S@GNS (Sample A), (b) Sulfur, (c) PAN@GNS, (d) pure PAN, (e) GO and (f) graphite.