

Supplementary Data

Rapid Synthesis of FeS Nanoparticles Encapsulated with Nanoporous Graphitic Shells for High Performance Sodium and Lithium-Ion Batteries

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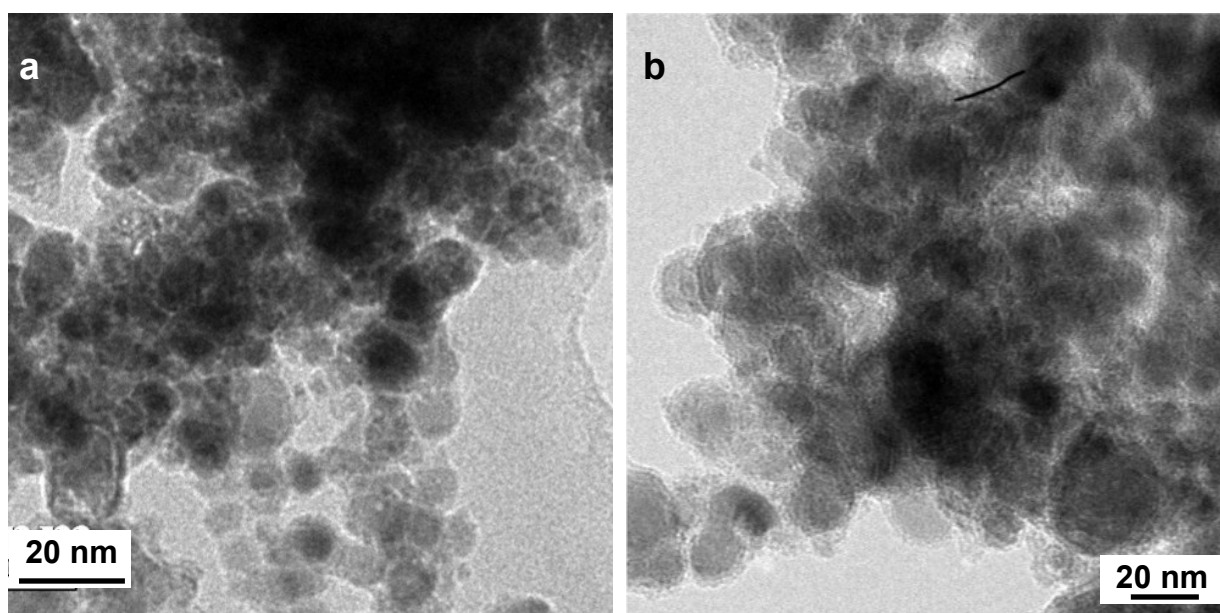


Figure S1. TEM images of FeS@SDS700 (a) and FeS@SDS1100 (b).

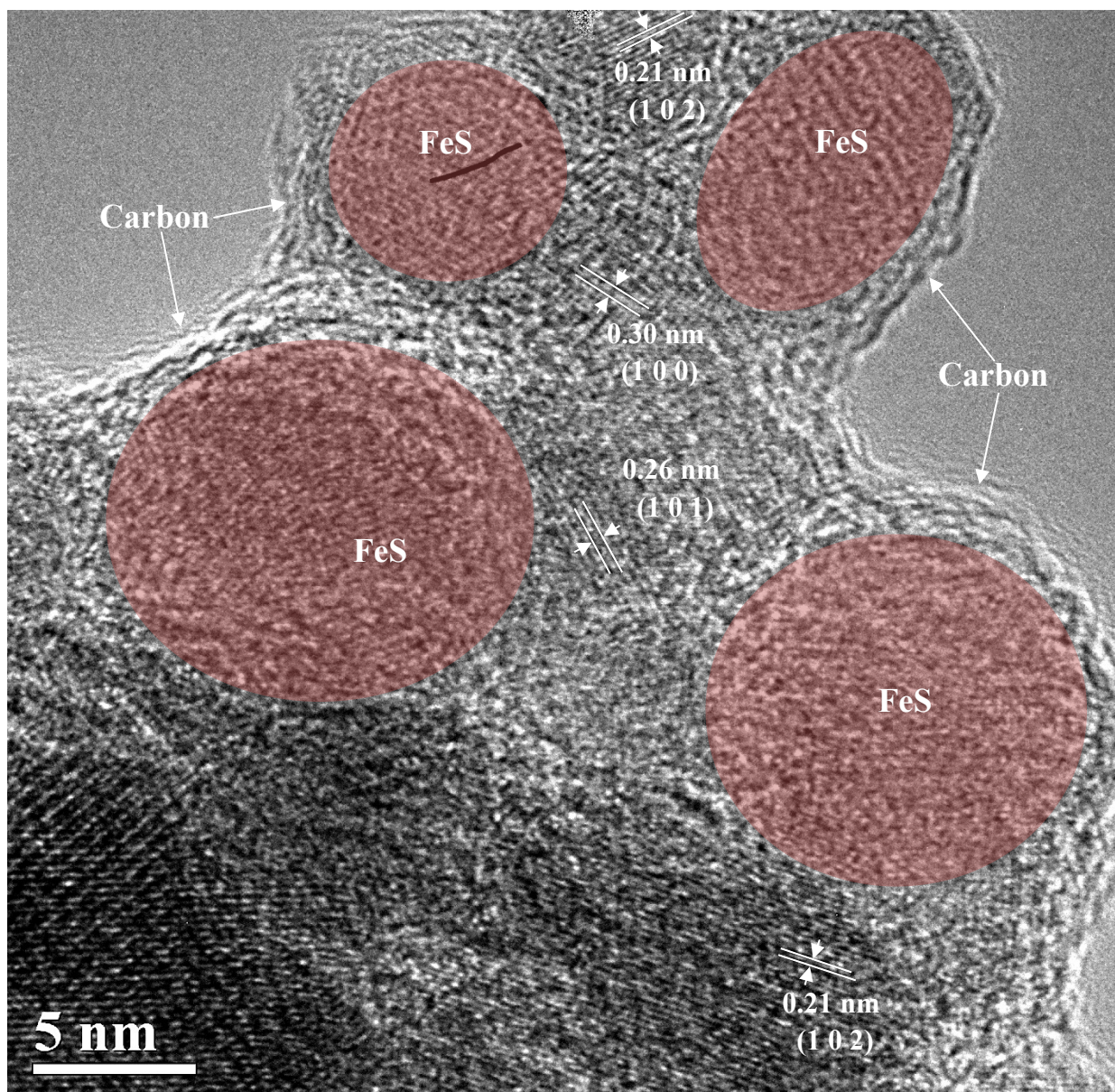


Figure S2. Microstructure analysis of FeS@PWS900 according to the HRTEM image.

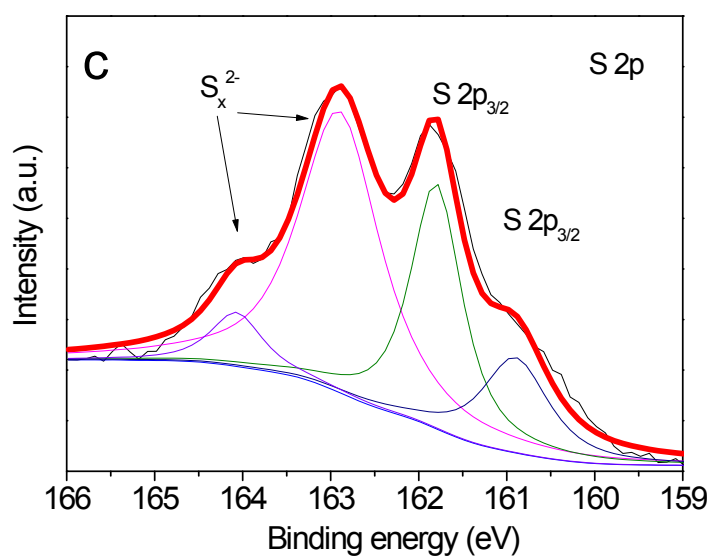
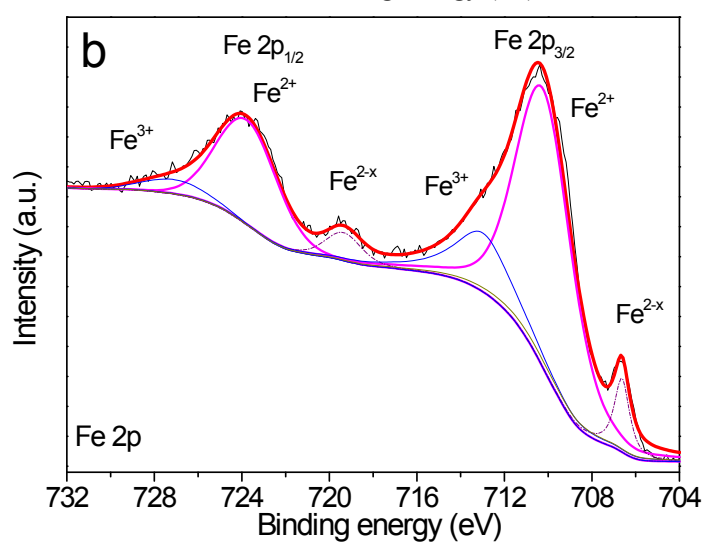
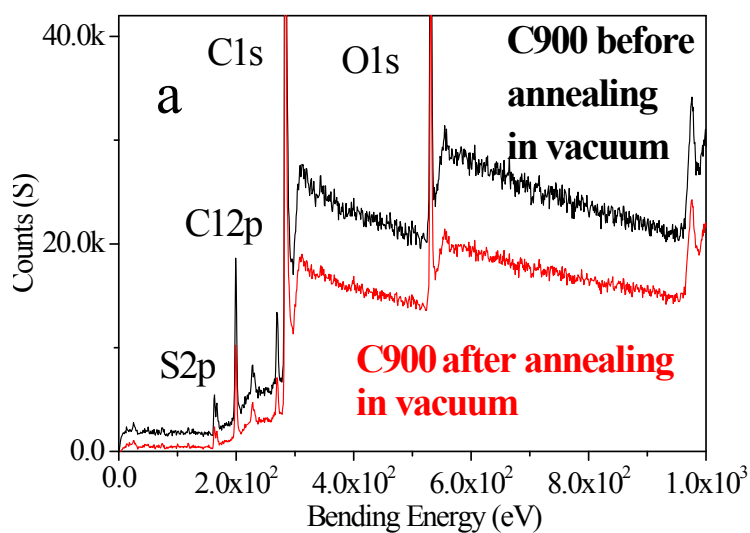


Figure S3. (a) X-ray photoelectron spectroscopy (XPS) spectra of S-doped nanocages before (acid-treating) and after (vacuum-heating) removing doping structure, Fe 2p (b) and S 2p (c) XPS spectra of FeS@PWS900.

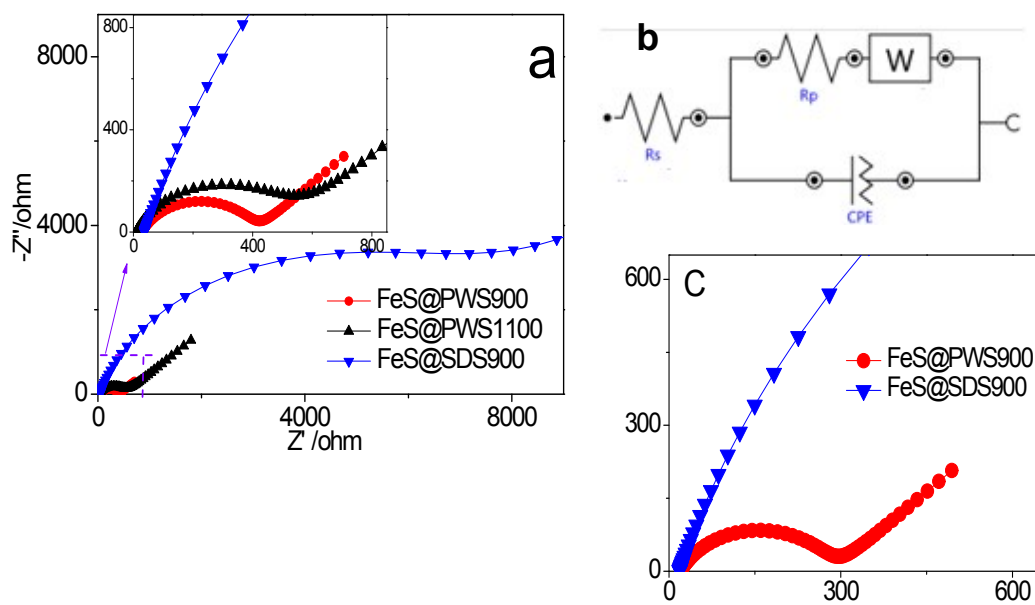


Figure S4. (a) Nyquist plots of the prepared FeS@C-based anodes and (b) the common equivalent circuit for SIBs; (c) Nyquist plots of the prepared FeS@C-based anodes for LIBs.