Electronic Supplementary Information

Activated carbon with ultrahigh specific surface area synthesized from natural plant material for lithium–sulfur batteries

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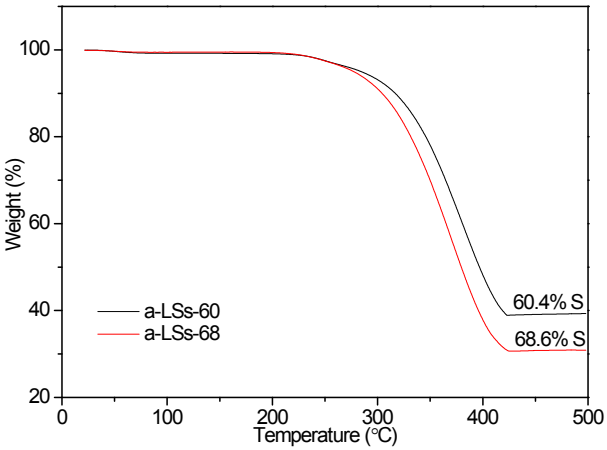

Fig. S1 TGA curves of the S/a-LSs composites.

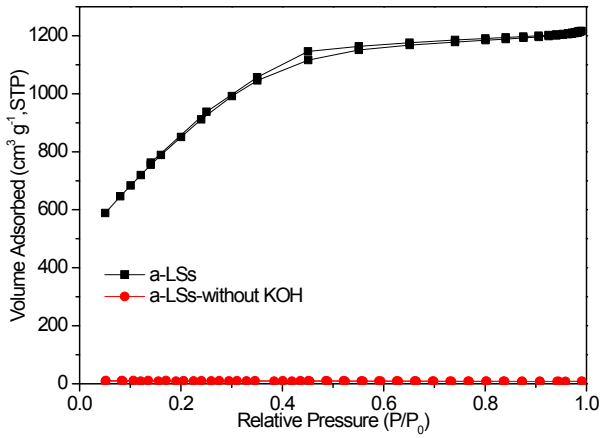

Fig. S2 Nitrogen adsorption–desorption isotherms of the a-LSs and a-LSs-without KOH samples.

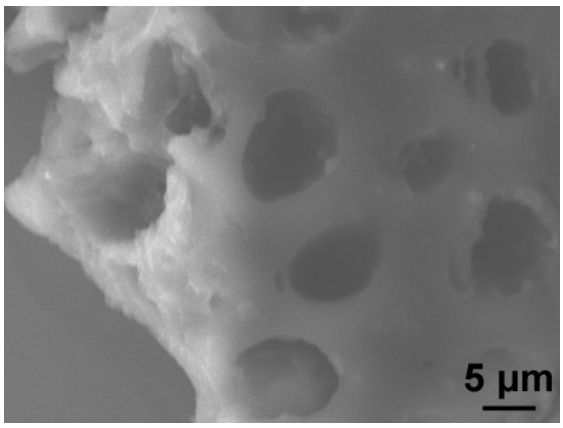

Fig. S3 SEM image of the as-prepared pyrolytic LSs.

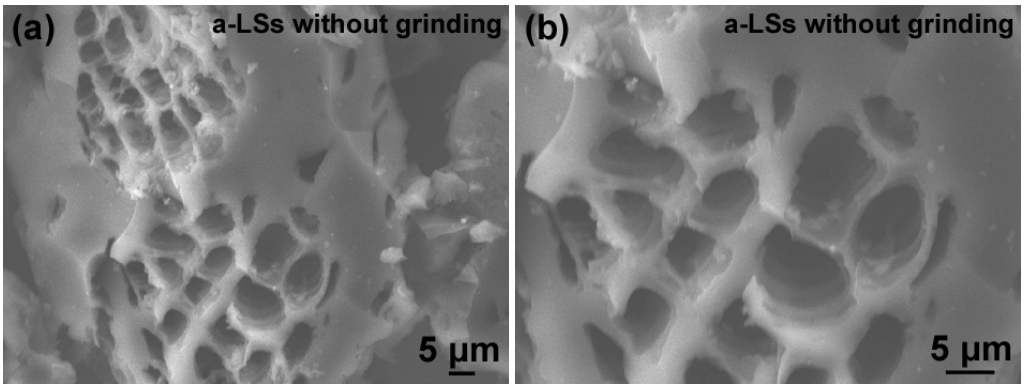

Fig. S4 SEM images of the a-LSs without grinding.

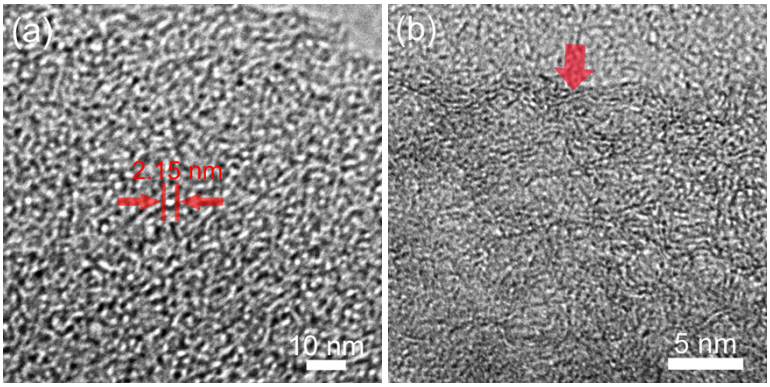

Fig. S5 High-resolution TEM images of the a-LSs.

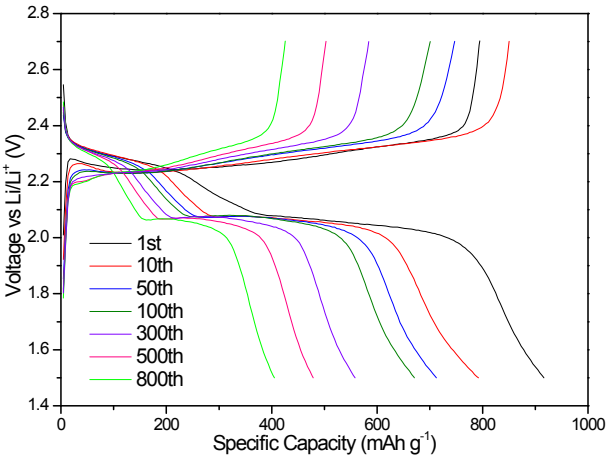

Fig. S6 Galvanostatic charge/discharge profiles at different cycles of the a-LSs-60 composite cathodes at a current density of 800 mA g^{-1}.