Supporting Information

Facile synthesis of mesoporous graphene platelet with in-situ nitrogen and sulfur doping for lithium-sulfur batteries

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Figure S1 (a, b) CV and EIS of the cathode after 200 cycles at 0.5C rate and (c, d) CV and EIS after rate cycles at 2C rate.
Figure S2 XPS spectrum of (a) O 1s of pristine NSG/S composite and (b) O 1s of NSG/S cathode after 200 cycles at 1C rate.
Figure S3 Optimized configurations for the affinitive interaction between (a) Li$_2$S$_3$, (b) Li$_2$S$_4$ and (c) Li$_2$S$_8$ and pyrrolic N on the graphene platelet.