

Supporting Information

In-Situ Formed Lithium Sulfide/Microporous Carbon Cathodes for Lithium-Ion Batteries

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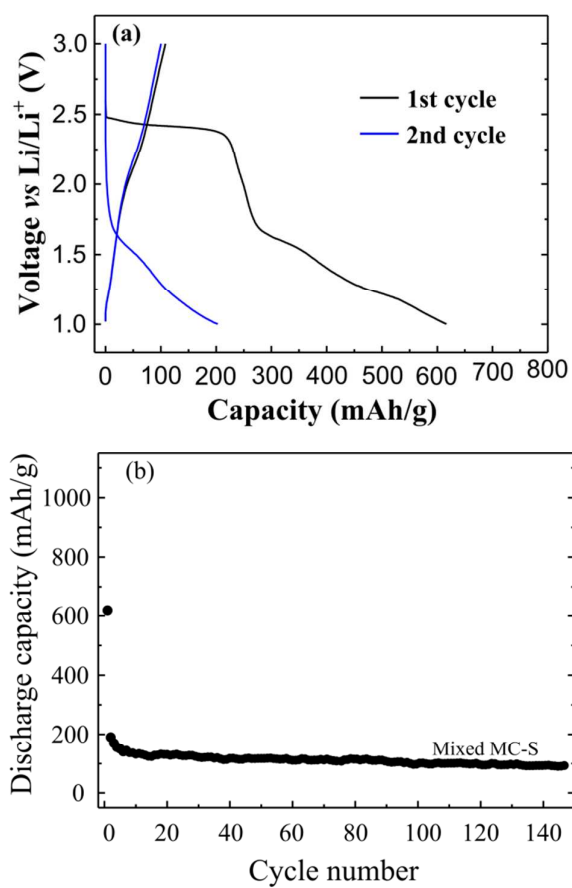


Figure S1. (a) Voltage profiles, and (b) Discharge capacity curve of the mixed MC-S electrode at a current density of 100 mA/g.

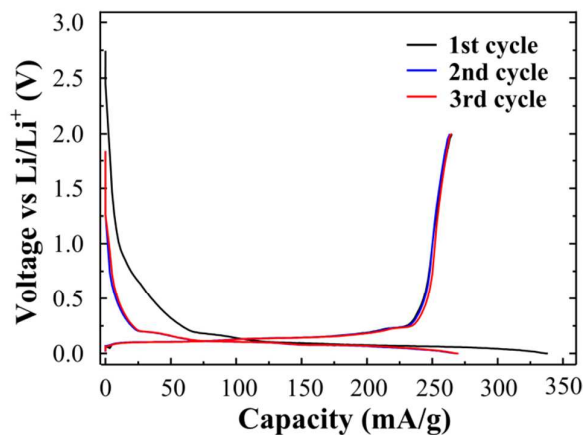


Figure S2. Discharge/charge voltage profiles of the graphite anode in the first three cycles.

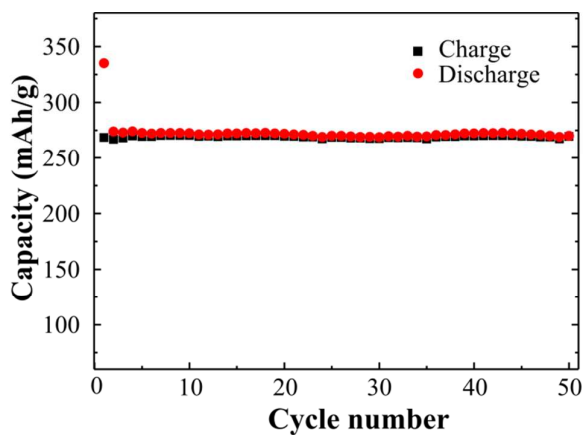


Figure S3. Cycling electrochemical properties of the graphite anode, showing a capacity of 270 mAh/g with moderate cycle life.

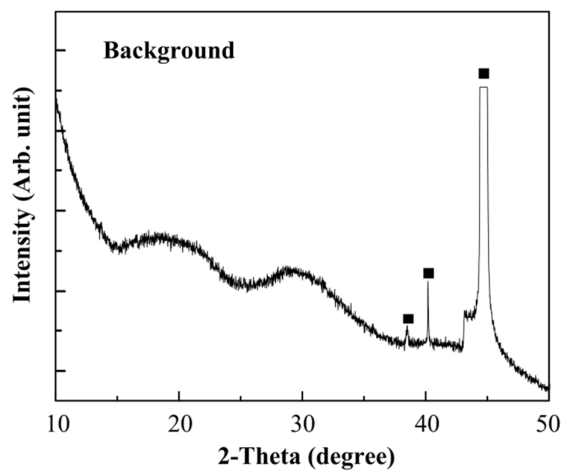


Figure S4. XRD pattern of Al foil covered with Scotch tape (Background).

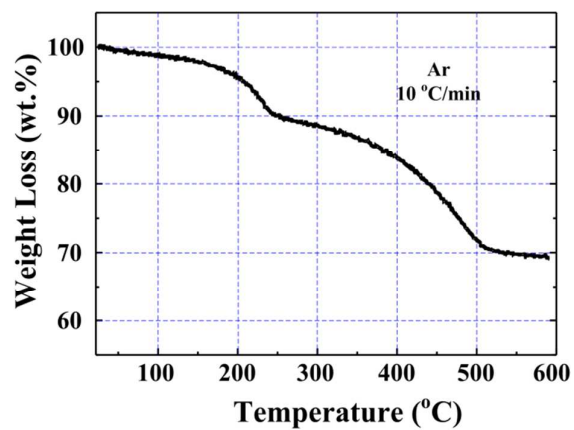


Figure S5. TGA curve of the S/MC composite, showing the content of elemental sulfur is around a mass fraction of 30%.