

A shuttle effect free lithium sulfur battery based on a hybrid electrolyte

Supporting information

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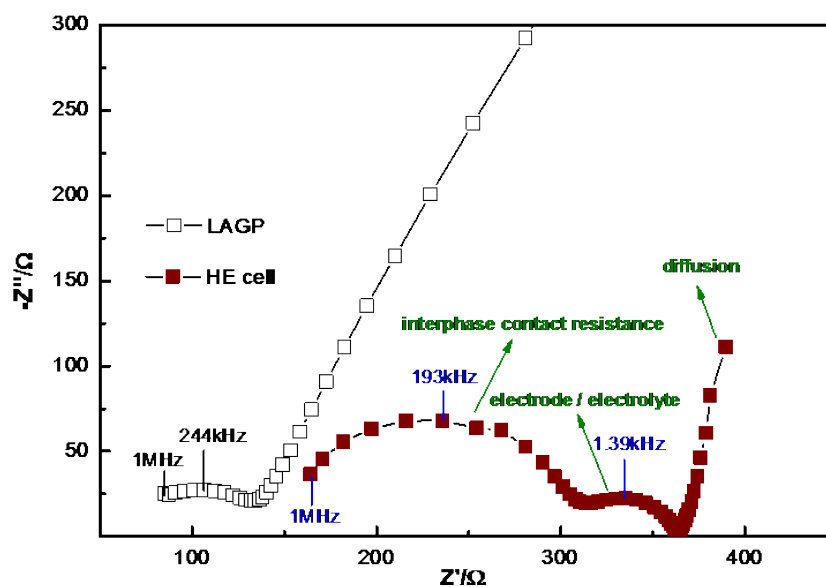


Figure S1. Impedance spectra of the HE Li-S cell and the LAGP between 1 MHz and 100 mHz.

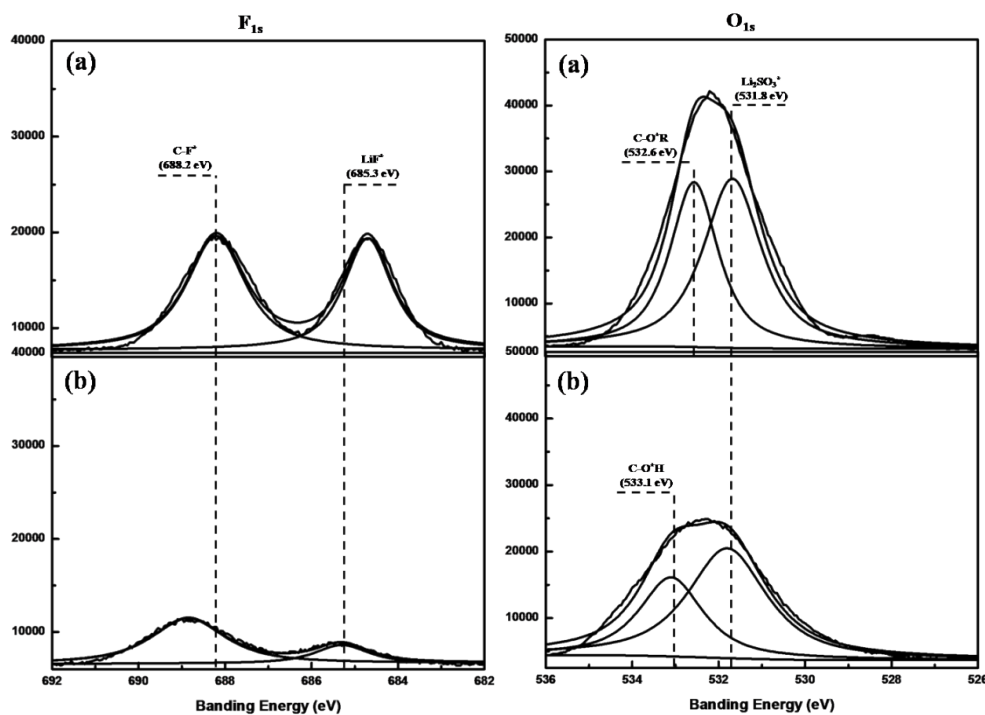


Figure S2. XPS spectra from lithium anode (a) cycled in SE Li-S cell (b) cycled in LE Li-S cell at end of 10th charge cycle.

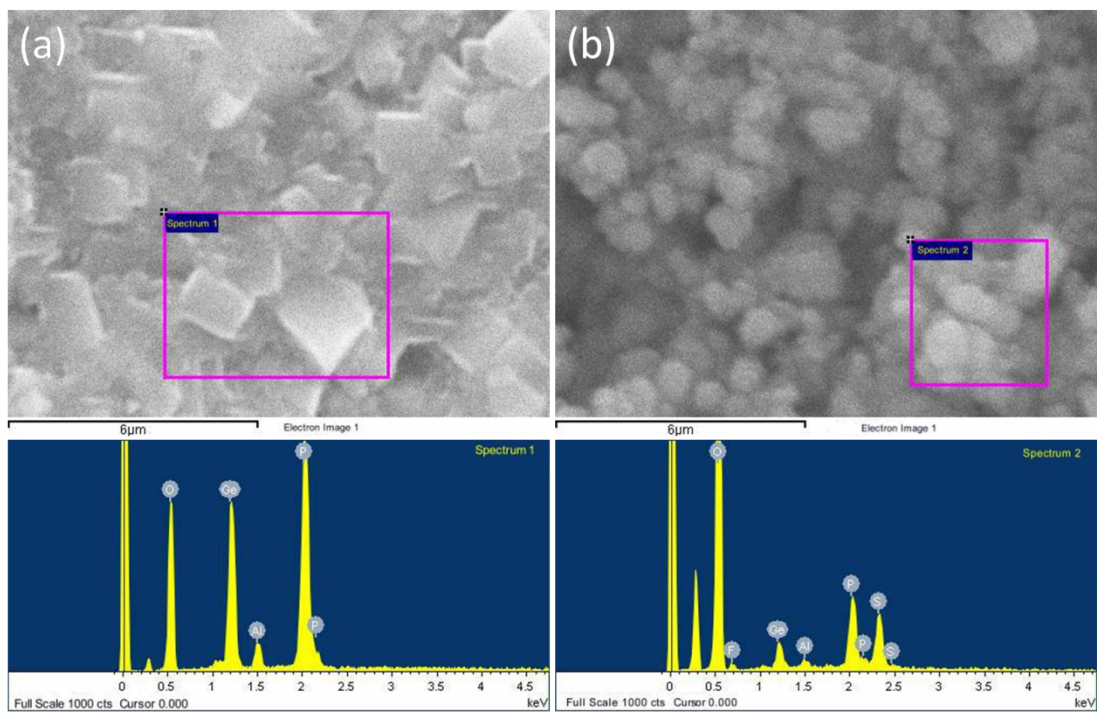


Figure S3. EDS spectra collected in the area marked by the red squares on the surfaces of the cycled LAGP (a) closed to lithium anode, and (b) closed to sulfur cathode.