

## Support Information

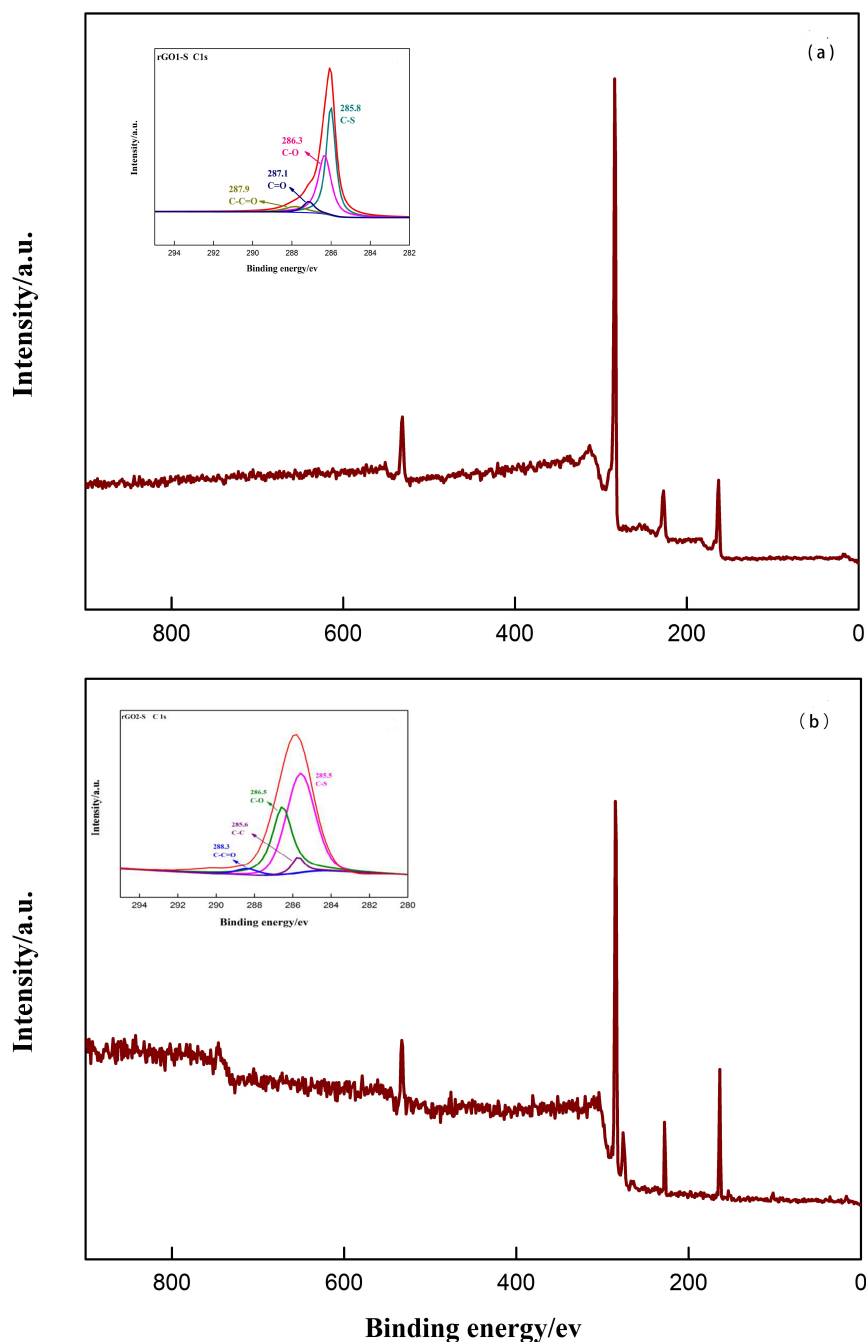
### Sulfur encapsulated in thermal reduced graphite oxide as cathode for Li-S battery

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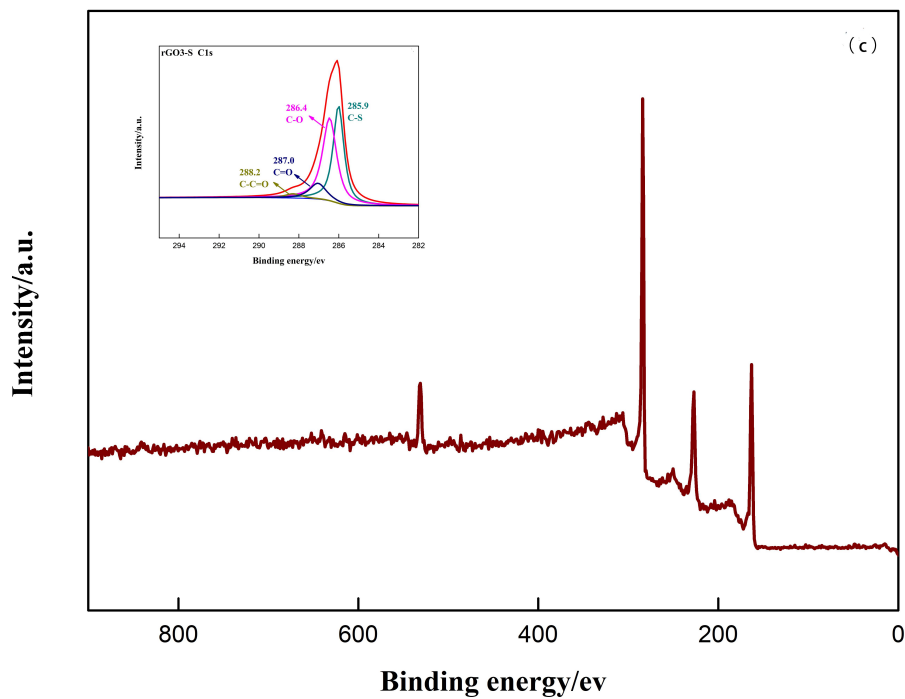


Fig.S1 XPS spectra of rGO/S composites, with the inset showing the magnified C 1s spectrum: (a) rGO1-S, (b) rGO2-S, and (c) rGO3-S.

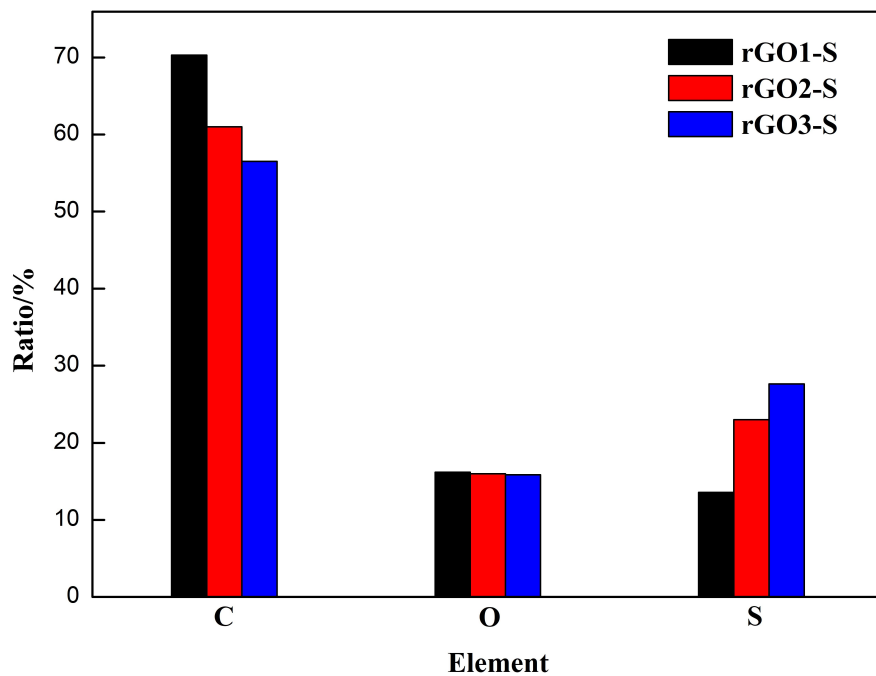


Fig. S2 Element ratio of C,O,S in rGO1-S, rGO2-S, rGO3-S