

Supplementary Material (ESI) for Journal of Materials Chemistry  
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## Electronic Supplementary Information

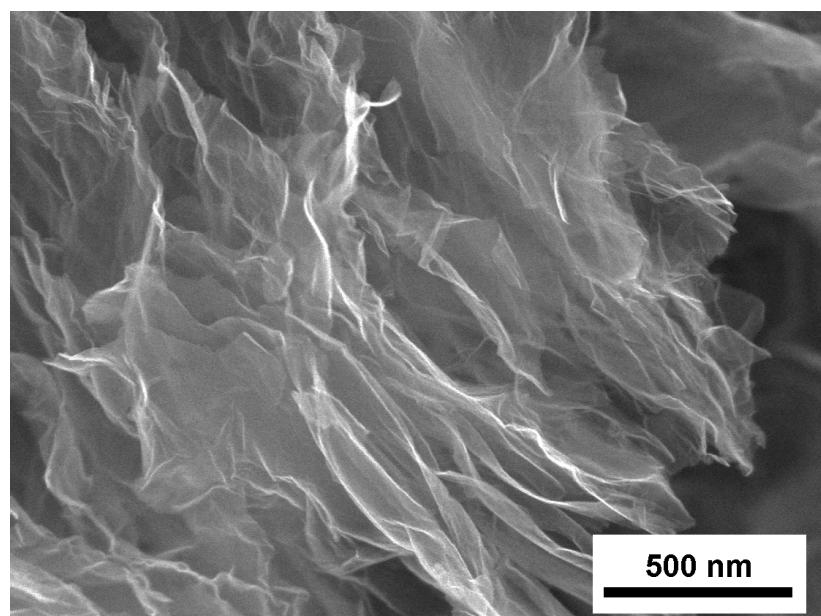
### Discharge Product Morphology and Increased Charge Performance of Lithium-oxygen Batteries with Graphene Nanosheet Electrodes: The Effect of Sulphur Doping

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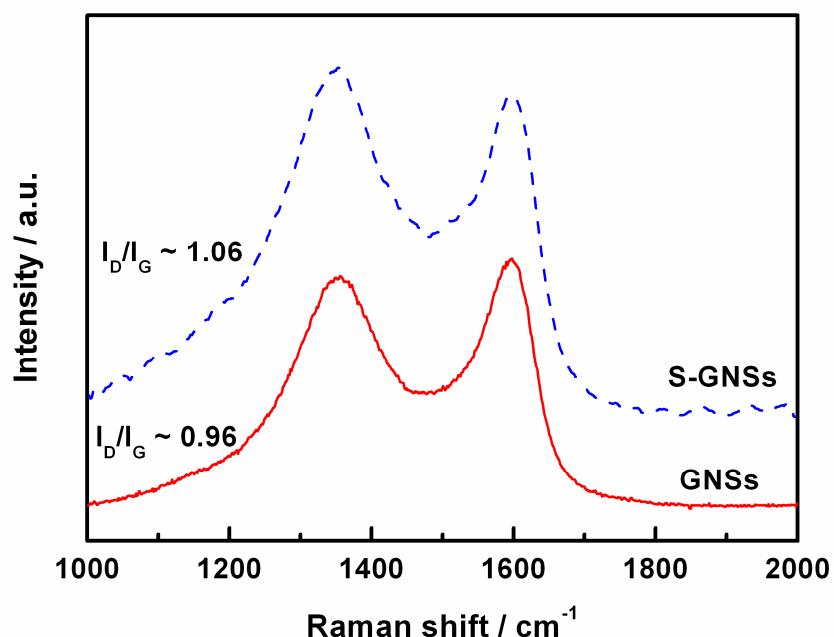
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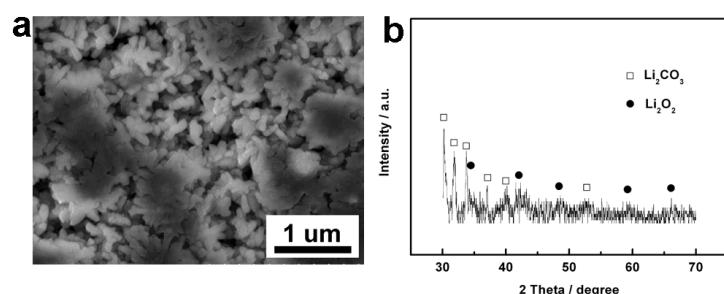
**Fig. S1** SEM image of graphene nanosheets.

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**Fig. S2** Raman spectroscopy of S-GNSs and GNSs.

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**Fig. S3** SEM image (a) and XRD pattern (b) of the discharge product after 2<sup>nd</sup> discharge.