



Enhanced cycle performance of Li/S battery with the reduced graphene oxide/activated carbon functional interlayer

Haipeng Li , Liancheng Sun , Yongguang Zhang , Taizhe Tan ,
Gongkai Wang , Zhumabay Bakenov

PII: S2095-4956(17)30561-2
DOI: [10.1016/j.jechem.2017.09.009](https://doi.org/10.1016/j.jechem.2017.09.009)
Reference: JECHEM 396

To appear in: *Journal of Energy Chemistry*

Received date: 2 July 2017
Revised date: 1 September 2017
Accepted date: 1 September 2017

Please cite this article as: Haipeng Li , Liancheng Sun , Yongguang Zhang , Taizhe Tan ,
Gongkai Wang , Zhumabay Bakenov , Enhanced cycle performance of Li/S battery with the re-
duced graphene oxide/activated carbon functional interlayer, *Journal of Energy Chemistry* (2017),
doi: [10.1016/j.jechem.2017.09.009](https://doi.org/10.1016/j.jechem.2017.09.009)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A 3D RGO/AC functional interlayer was synthesized by a simple hydrothermal method.
- The Li/S cell with RGO/AC interlayer exhibits good cycling and rate capability.
- The RGO/AC interlayer can inhibit the shuttle effect during the cycling.

Download English Version:

<https://daneshyari.com/en/article/6529984>

Download Persian Version:

<https://daneshyari.com/article/6529984>

[Daneshyari.com](https://daneshyari.com)