

Accepted Manuscript

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PII: S0925-8388(18)33381-4

DOI: [10.1016/j.jallcom.2018.09.141](https://doi.org/10.1016/j.jallcom.2018.09.141)

Reference: JALCOM 47560

To appear in: *Journal of Alloys and Compounds*

Received Date: 17 June 2018

Revised Date: 11 September 2018

Accepted Date: 12 September 2018

Please cite this article as: D. He, W. Zhao, P. Li, S. Sun, Q. Tan, K. Han, L. Liu, L. Liu, X. Qu, Bifunctional biomass-derived N, S dual-doped ladder-like porous carbon for supercapacitor and oxygen reduction reaction, *Journal of Alloys and Compounds* (2018), doi: <https://doi.org/10.1016/j.jallcom.2018.09.141>.

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Bifunctional biomass-derived N, S dual-doped ladder-like porous carbon for supercapacitor and oxygen reduction reaction

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ABSTRACT

In recent years, heteroatom-doped biomass-derived carbon has attracted intensive attention in vast fields due to their inexpensive precursors and abundant resources, especially in oxygen reduction reaction and supercapacitors. This research demonstrates a simple strategy to prepare mulberry leaves-derived nitrogen, sulfur dual-doped ladder-like porous carbon material, which possesses high content of nitrogen (8.17 at %), sulfur (1.97 at %),

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