

Accepted Manuscript

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PII: S0021-9797(18)30251-0
DOI: <https://doi.org/10.1016/j.jcis.2018.03.009>
Reference: YJCIS 23359

To appear in: *Journal of Colloid and Interface Science*

Received Date: 21 December 2017
Revised Date: 28 February 2018
Accepted Date: 3 March 2018

Please cite this article as: C. Wang, D. Wu, H. Wang, Z. Gao, F. Xu, K. Jiang, Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance, *Journal of Colloid and Interface Science* (2018), doi: <https://doi.org/10.1016/j.jcis.2018.03.009>

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Biomass derived nitrogen-doped hierarchical porous carbon sheets for supercapacitors with high performance

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Abstract: A facile potassium chloride salt-locking technique combined with hydrothermal treatment on precursors was explored to prepare nitrogen-doped hierarchical porous carbon sheets in air from biomass. Benefiting from the effective synthesis strategy, the as-obtained carbon possesses a unique nitrogen-doped thin carbon sheet structure with abundant hierarchical pores and large specific surface areas of 1459

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