Electronic Supplementary Material (ESI) for New Journal of Chemistry. This journal is © The Royal Society of Chemistry and the Centre National de la Recherche Scientifique 2020

New Journal of Chemistry

Electronic supplementary information

A non-traditional biomass-derived N-, P- and S- ternary self-doped 3D

multichannel carbon ORR electrocatalyst

Nai-bao Huang 1*, Jun-jie Zhang 1, Yin Sun 1, Xian-nian Sun 1, Zhong-yu Qiu 1 and Xiao-wen Ge 1

¹College of Transportation Engineering, Dalian Maritime University, Dalian, 116026, China.

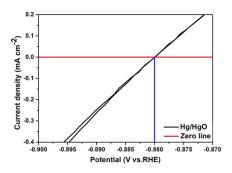


Figure S1. Hg/HgO reference electrode was 0.88 V versus RHE at a scan rate of 1 mV s⁻¹.

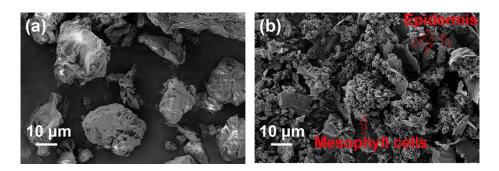


Figure S2 (a, b) SEM images of NS-850 and S-850.