Supporting Information

One-step preparation of N, O co-doped 3D hierarchically porous carbon derived from soybean dregs for high-performance supercapacitors

Guang Zhu #a, Guangzhen Zhao #a,b, Junyou Shi* b,d and Wei Ou-Yang* c

a Key Laboratory of Spin Electron and Nanomaterials of Anhui Higher Education Institutes, Suzhou University, Suzhou 234000, PR China.
b Energy Resources and Power Engineering College, Northeast Electric Power University, 169 Changchun Road, Jilin 132012, PR China.
c Engineering Research Center for Nanophotonics and Advanced Instrument, Ministry of Education, School of Physics and Materials Science, East China Normal University, 3663 N. Zhongshan Road, Shanghai 200062, PR China.
d Forestry College, Beihua University, 3999 East Binjiang Road, Jilin 132013, PR China.

# The first two authors contributed equally to this work.

*Corresponding authors: bhsjy64@163.com (Junyou Shi); ouyangwei@phy.ecnu.edu.cn (Wei Ou-Yang), Tel/ Fax: 86-21-62233673
Table of contents

Figures

**Figure S1** GCD curves of carbon paper, N-O-HPC-0, N-O-HPC-1, N-O-HPC-2, and N-O-HPC-3 at the current density of 2 A g$^{-1}$.

Tables

**Table S1** The elemental contents of all samples obtained from XPS analysis.
Figure S1 GCD curves of carbon paper, N-O-HPC-0, N-O-HPC-1, N-O-HPC-2, and N-O-HPC-3 at the current density of 2 A g$^{-1}$. 
Table S1: The elemental contents of all samples obtained from XPS analysis.

| Samples   | N-O-HPC-0 | N-O-HPC-1 | N-O-HPC-2 | N-O-HPC-3 |
|-----------|-----------|-----------|-----------|-----------|
| C (at. %) | 84.4      | 86.1      | 89        | 89.1      |
| O (at. %) | 10.1      | 9         | 6.2       | 6.1       |
| N (at. %) | 5.5       | 4.9       | 4.8       | 4.8       |
| N/O       | 0.54      | 0.55      | 0.77      | 0.79      |