

Supporting Information

Nitrogen-doped nanoporous carbon derived from waste pomelo peel as a metal-free electrocatalyst for the oxygen reduction reaction

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24 **Carbonization yield.**

25 The carbonization yield of the product was determined by the equation (1)

$$Y = \frac{m_1}{m_2} \times 100\% \quad (1)$$

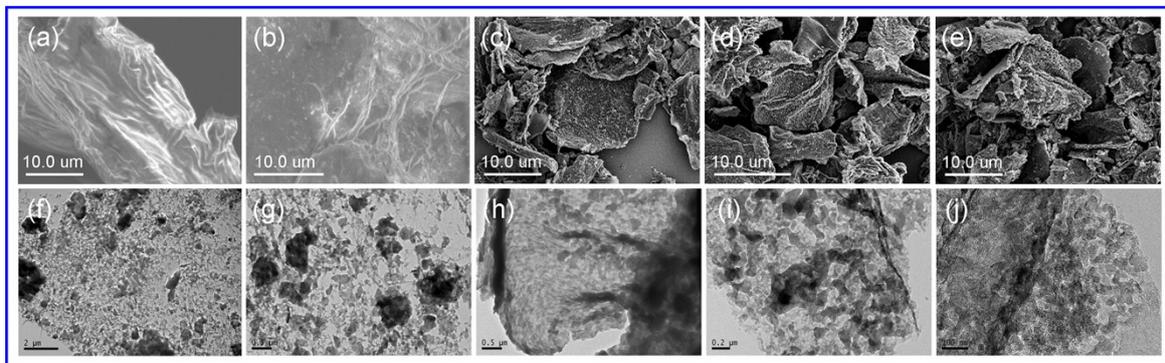
27 Where, Y is the carbonization yield, m_1 is the mass of the typical product, m_2 is the mass of the
28 pomelo peel after hydrothermal treatment and freeze-drying. According to the measurement, 0.0421
29 g is the mass of the typical product, 0.4637 g is the mass of the pomelo peel after hydrothermal
30 treatment and freeze-drying, respectively. The carbonization yield of the typical product calculated
31 by the equation (1) is about 9 %.

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38 **Figure S1.** SEM images of (a) natural pomelo peel after freeze-drying, (b) pomelo peel after hydrothermal
39 treatment (c) N-PC-800, (d) N-PC-900, (e) PC-1000; TEM images of (f-g) pomelo peel after hydrothermal
40 treatment, (h) N-PC-800, (i) N-PC-900, (j) PC-1000.

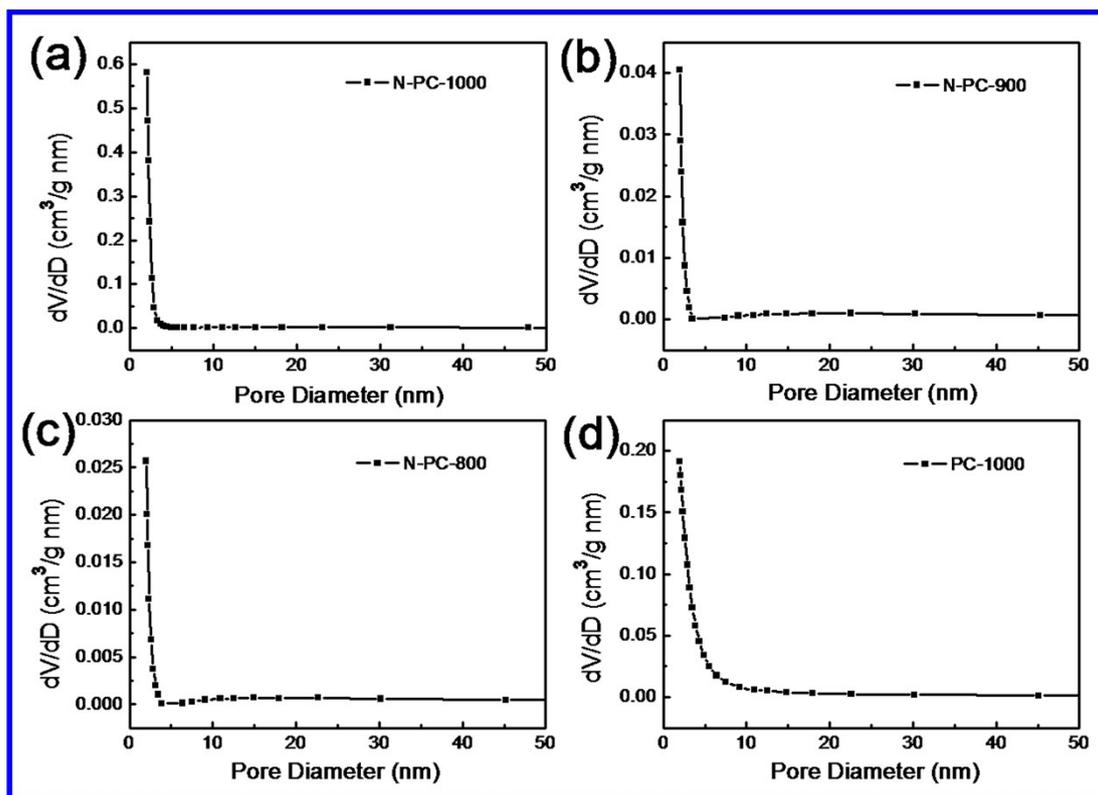
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Figure S2. Pore diameter distribution of (a) N-PC-1000, (b) N-PC-900, (c) N-PC-800 and (d) PC-1000.

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