Supporting Information

Phosphorus-doped porous carbon derived from rice husk as

anode for Lithium ion batteries

Jiaqing Wang,^a Zhenzhong Yang,^b Fusen Pan,^a Xiongwu Zhong,^a Xiaowu Liu,^a

Lin Gu,^b Yan Yu^{*,a}

^a Key Laboratory of Materials for Energy Conversion, Chinese Academy of Sciences, Department of Materials Science and Engineering, University of Science and Technology of China, No. 96 Jinzhai Road, Hefei, Anhui Province, 230026, China. E-mail: yanyumse@ustc.edu.cn,

Telephone: (+86) 055163607179, Fax No: (+86) 055163607179.

^b Beijing National Laboratory for Condensed Matter Physics, The Institute of Physics, Chinese Academy of Sciences, No.8, 3rd South Street, Zhongguancun, Haidian, Beijing 100190, China

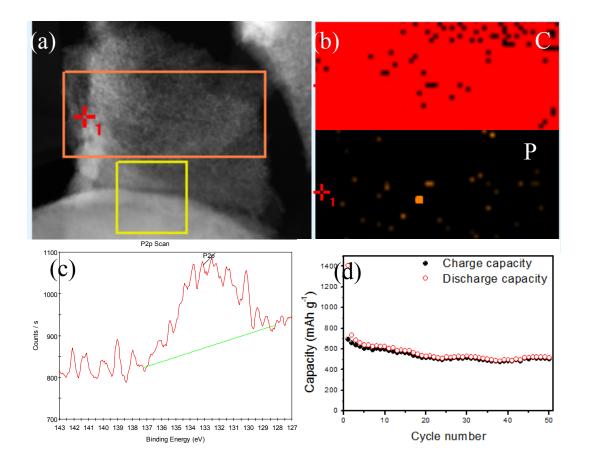


Fig. S1 (a) High-magnification TEM images, (b) EDX mapping images of P and C, (c) P 2p XPS spectrum and (d) Cycling performance at a current density of 100 mA g⁻¹ of P-PC-RH-0.53.