Supporting Information for

Phosphorus-doped silicon nanorods anode for high power lithium-ion battery

Chao Yan^{‡,1}, Qianru Liu^{‡,1}, Jianzhi Gao¹, Zhibo Yang^{*1} and Deyan He²

Address: ¹School of Physics and Information Technology, Shaanxi Normal University, Xi' an 710119, China and ²School of Physical Science and Technology, Lanzhou University, Lanzhou 730000, China

Email: Zhibo Yang - yangzhb15@snnu.edu.cn

- * Corresponding author
- [‡] These authors contribute equally

Additional figures

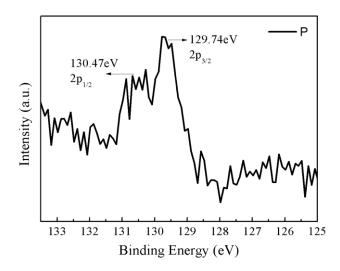


Figure S1: X-ray photoelectron spectroscopy (XPS) of the as prepared Si layer.

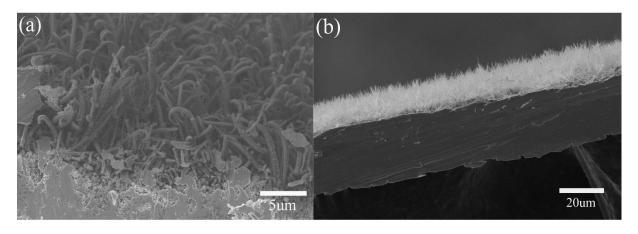


Figure S2: Cross section SEM images for (a) the Si anode and (b) the CuO nanorods.