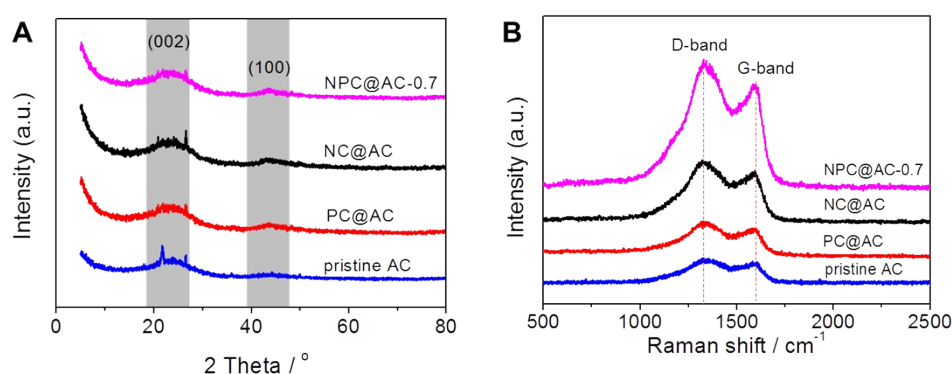


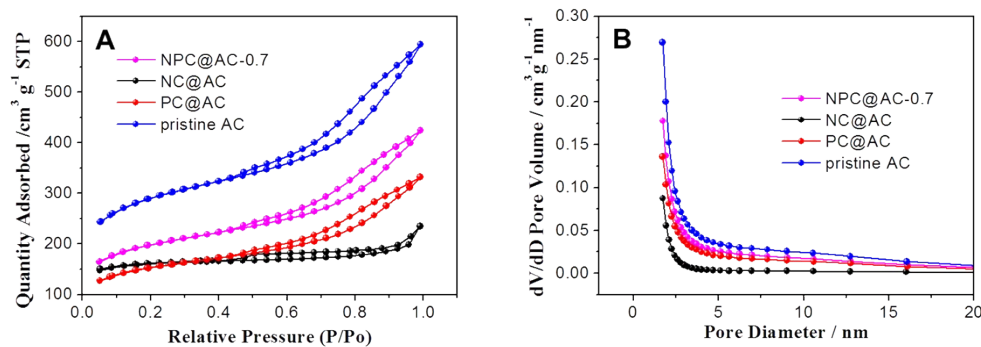
## Nitrogen and Phosphorus co-doped Carbon Modified Activated Carbon as Efficient Oxygen Reduction Catalysts for Microbial Fuel Cells

Kang Lv, Hua Zhang and Shuiliang Chen\*

Department of Chemistry and Chemical Engineering, Jiangxi Normal University, 330022 Nanchang, China. E-mail: [slchenjxnu@jxnu.edu.cn](mailto:slchenjxnu@jxnu.edu.cn)



**Fig. S1.** (A) XRD patterns and (B) Raman spectra of the NPC@AC-0.7, NC@AC, PC@AC and pristine AC.



**Fig. S2.** (A) N<sub>2</sub> adsorption–desorption isotherms and (B) pore size distributions of the NPC@AC-0.7, NC@AC, PC@AC and pristine AC, respectively.