

Electronic Supplementary Material (ESI) for Journal of Materials Chemistry A.  
This journal is © The Royal Society of Chemistry 2018

## Support Information

### **Evaluating the Influence of the Precursors Sulfur Content on the Structure of the materials and their Sodium Storage Performances**

*Ganggang Zhao, Yu Zhang, Guoqiang Zou, Yang Zhang, Wanwan Hong, Yunling Jiang, Wei Xu, Honglei Shuai, Hongshuai Hou\* and Xiaobo Ji*

College of Chemistry and Chemical Engineering, Central South University, Changsha, 410083, China.

---

\*Corresponding author: Hongshuai Hou

Tel: +86-731-88877237; Fax: +86-731-88877237

E-mail: [hs-hou@csu.edu.cn](mailto:hs-hou@csu.edu.cn)

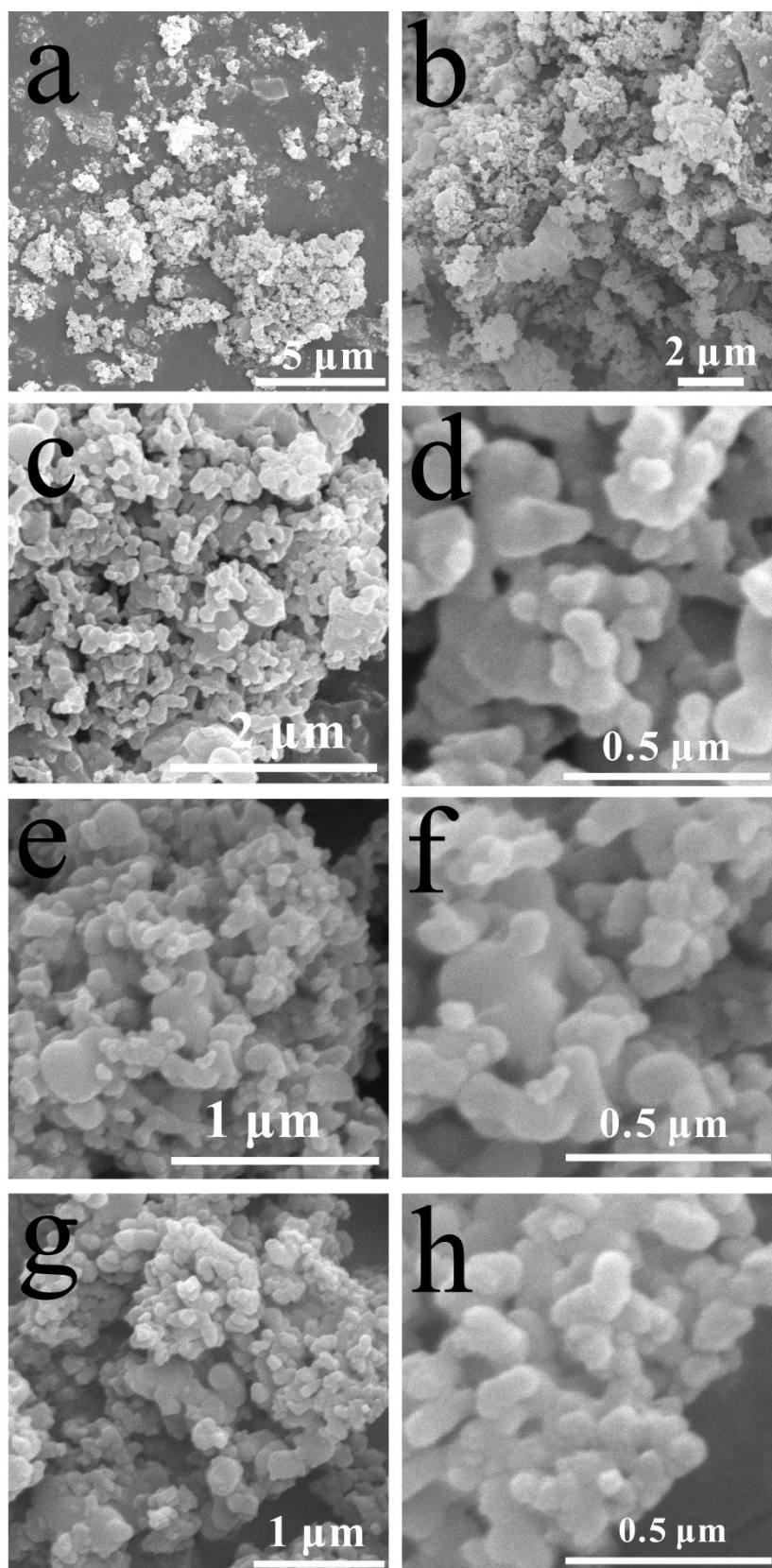


Fig. S1 SEM images of the SNC-3-600 (a and b), SNC-3-700 (c and d), SNC-3-800 (e and f) and SNC-3-900 (g and h).

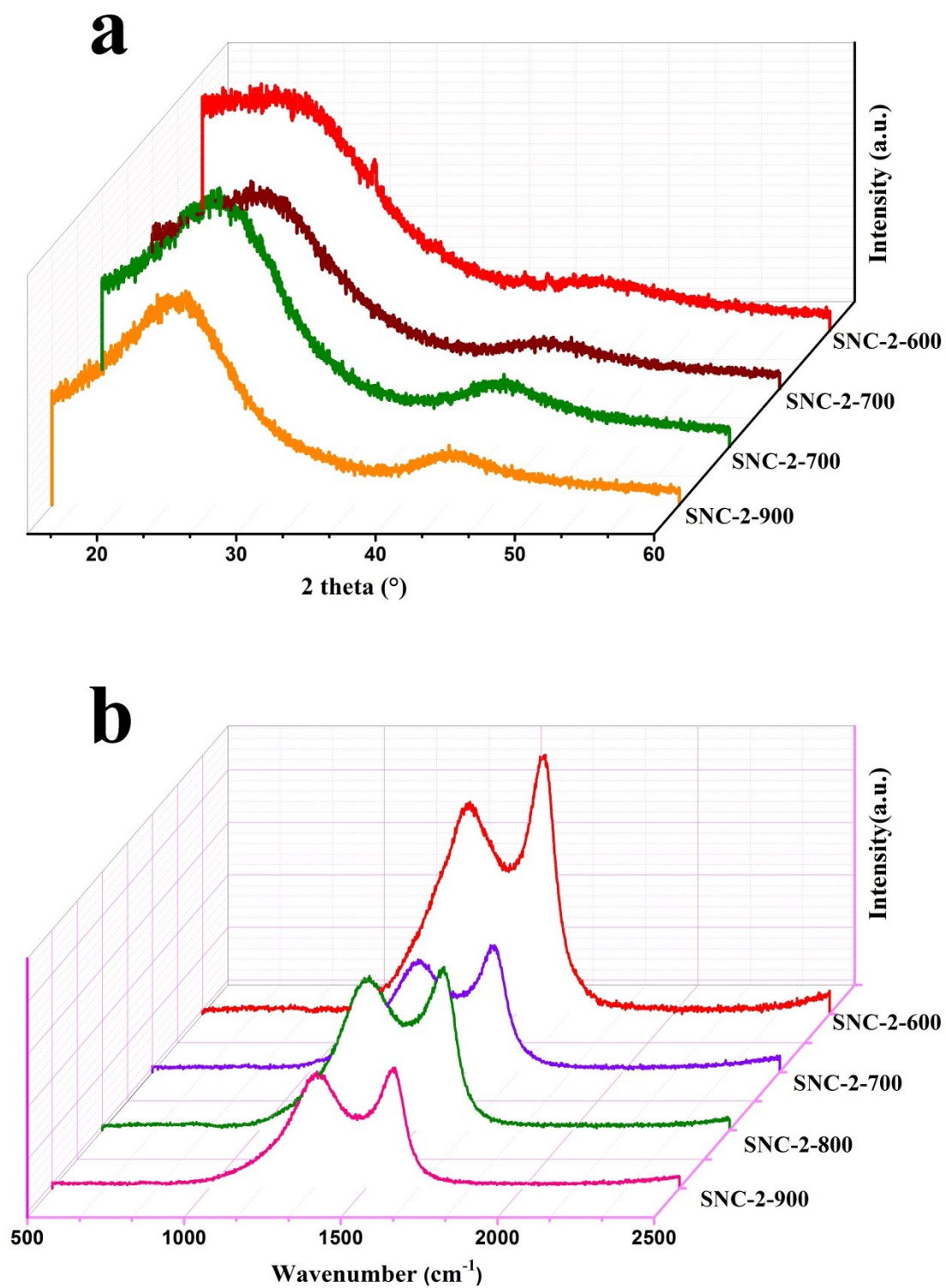


Fig. S2 The XRD patterns (a) and Raman spectrums of the obtained SNC-2 under different temperature.

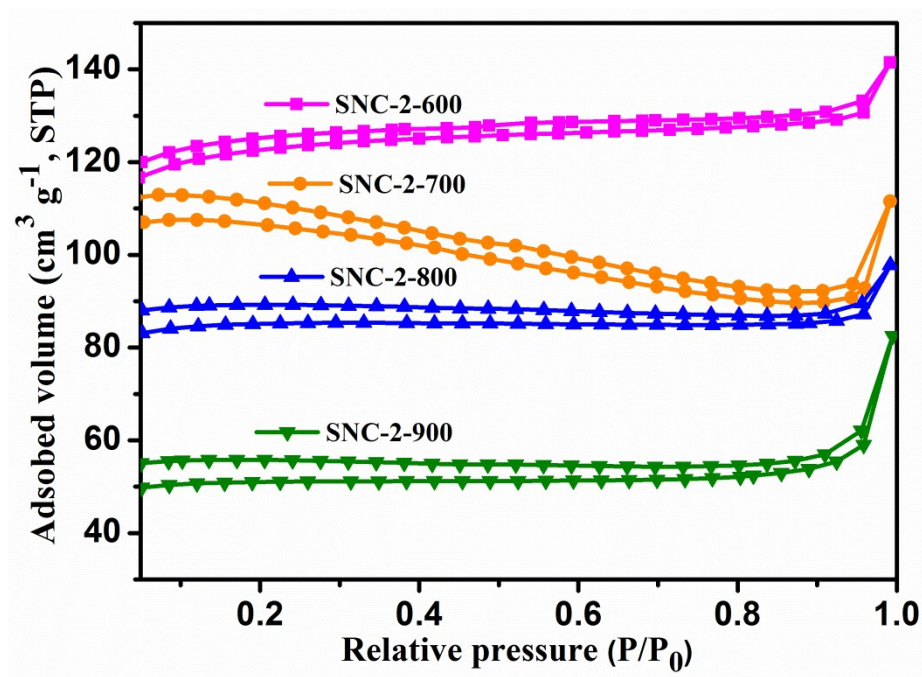


Fig. S3 The  $\text{N}_2$  adsorption-desorption isotherms of the SNC-2 under different temperature.

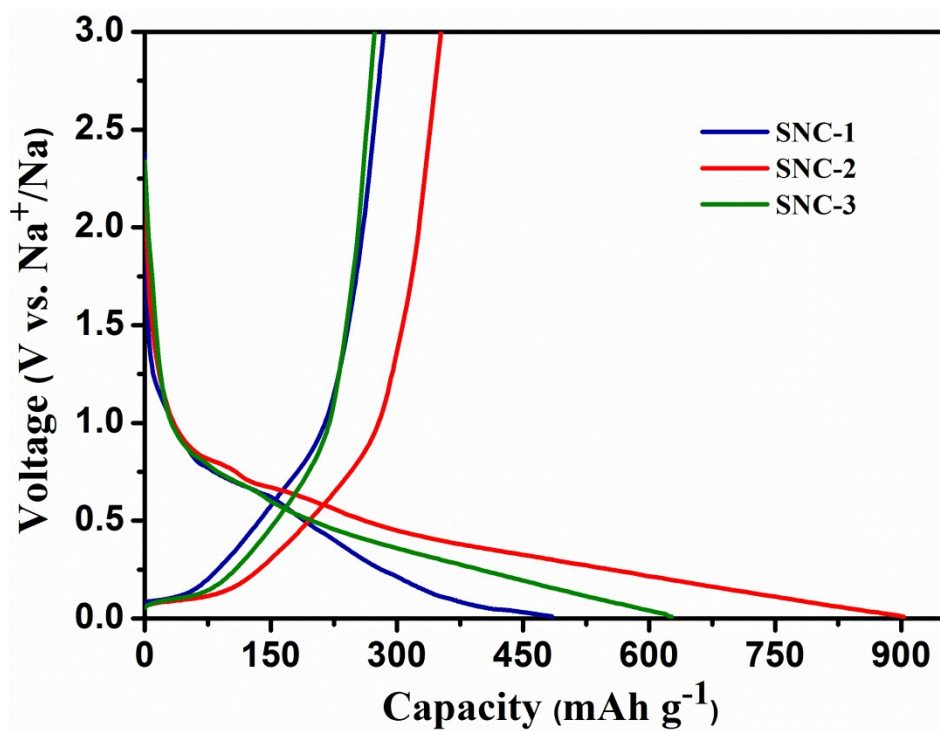


Fig. S4 The first discharge/charge curves of SNC-1, SNC-2, and SNC-3 at a current density of 0.1 A g<sup>-1</sup>.