

Electronic Supplementary Material (ESI) for New Journal of Chemistry

Supporting Information

Graphene-based cobalt sulfides composite hydrogel with enhanced electrochemical properties for supercapacitors

Xiaoqian Meng, Huan Sun, Junwu Zhu*, Huiping Bi, Qiaofeng Han, Xiaoheng Liu, Xin Wang
Key Laboratory for Soft Chemistry and Functional Materials, Nanjing University of Science and
Technology, Ministry of Education, Nanjing 210094, China
E-mail: zhujw@njust.edu.cn

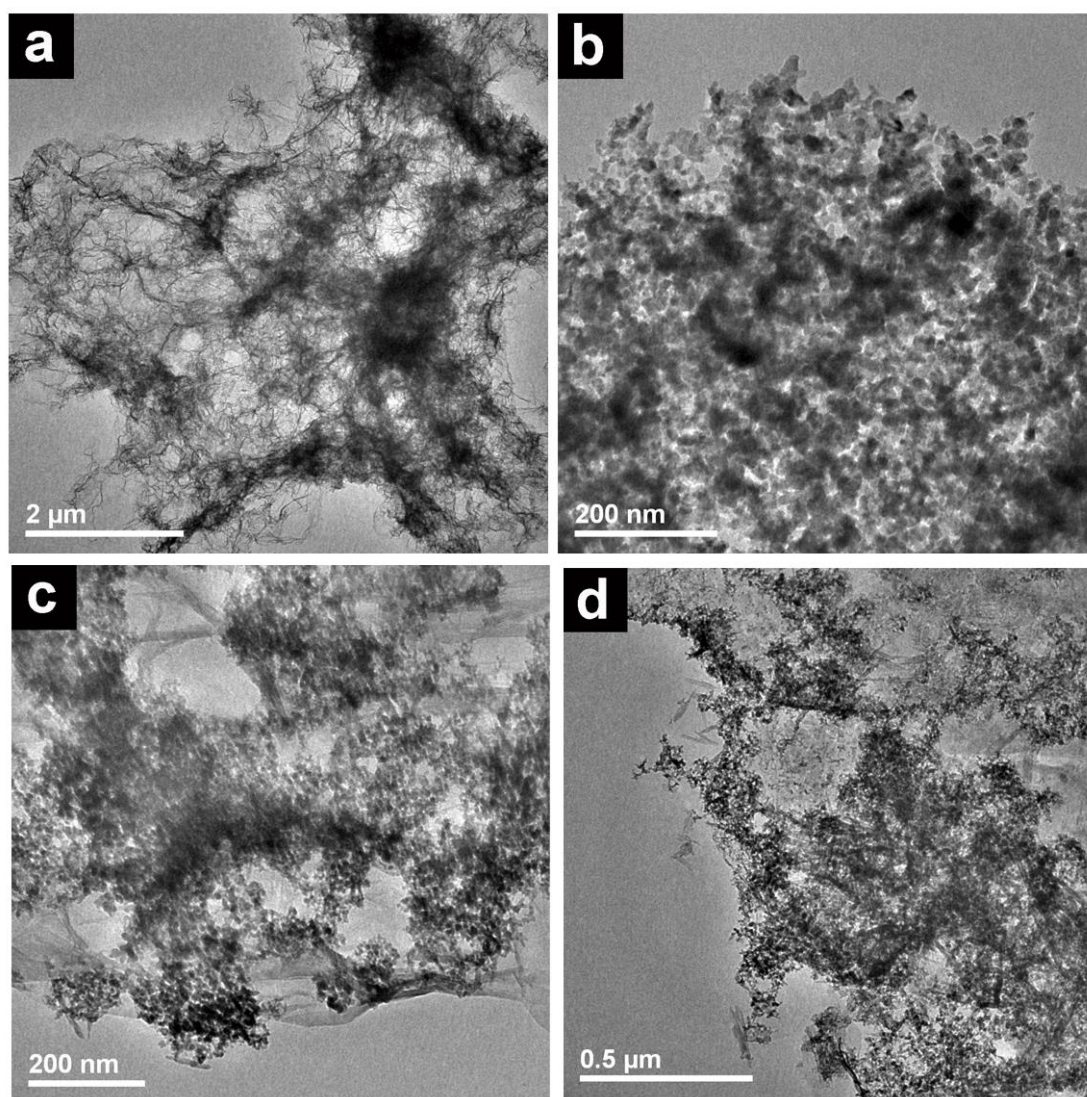


Fig. S1. TEM images of (a) GH, (b) Co_xS_y , and (c-d) CoSGH.

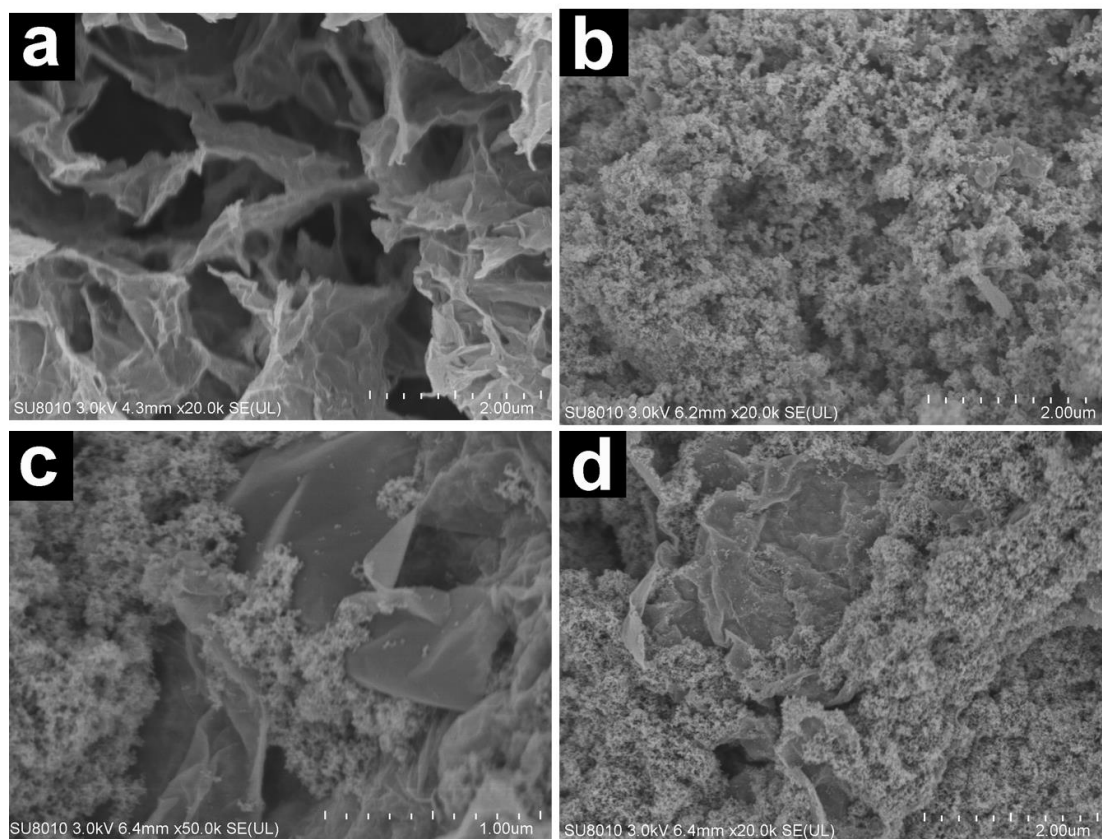


Fig. S2. SEM images of (a) GH, (b) Co_xS_y , and (c-d) CoSGH.

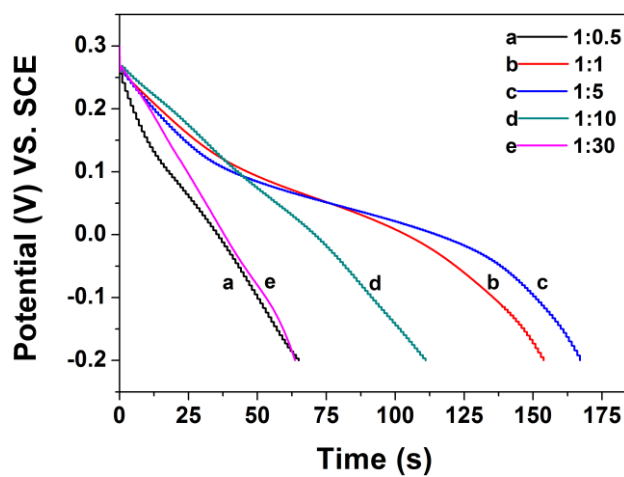


Fig. S3. Galvanostatic charge-discharge curves of samples with different ratios of $\text{GO}/\text{Co}_x\text{S}_y$ at a current density of 1 A g^{-1} .

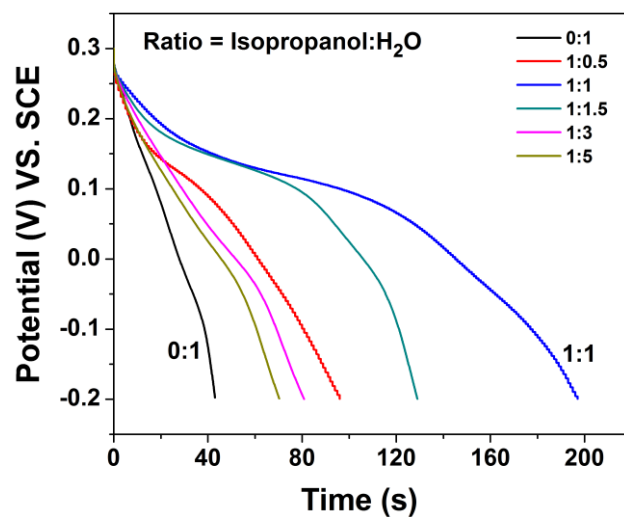


Fig. S4. Galvanostatic charge-discharge curves of samples obtained in different volumetric ratios of isopropanol/water at a current density of 1 A g^{-1} .

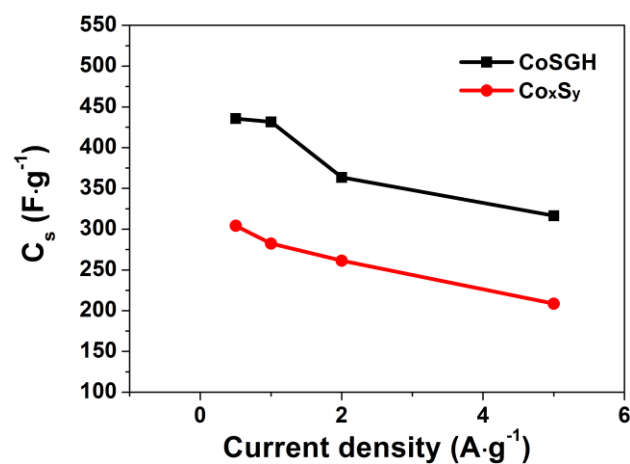


Fig. S5. Rate performances of CoSGH and Co_xS_y at different current densities.