

Supporting Information

Ni_3S_2 @CoS core-shell nano-triangular pyramid arrays on Ni foam

for high-performance supercapacitors

Rui Li, Senlin Wang,^{*a} Jianpeng Wang, and Zongchuan Huang

^aCollege of Materials Science & Engineering, Huaqiao University, Xiamen, Fujian, 361021, People's Republic of China. Fax: +86-595-22693746. E-mail address: slwang@hqu.edu.cn

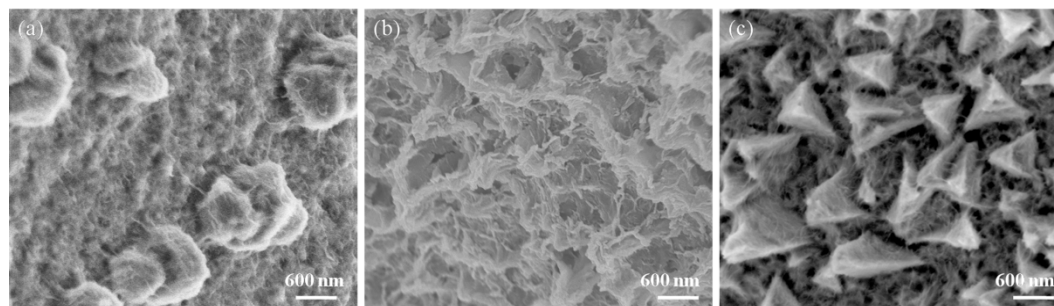


Fig. S1 SEM images of the Ni_3S_2 obtained by different hydrothermal reaction temperature:

(a)120 °C, (b) 140 °C and (c) 160 °C

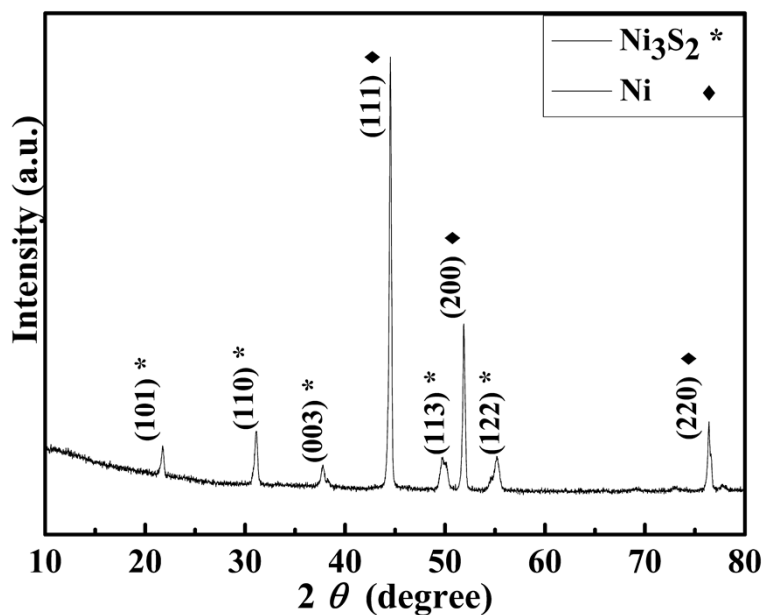


Fig. S2 Powder XRD patterns of the Ni_3S_2 NTP arrays and Ni_3S_2 @CoS core-shell NTP arrays on Ni foam

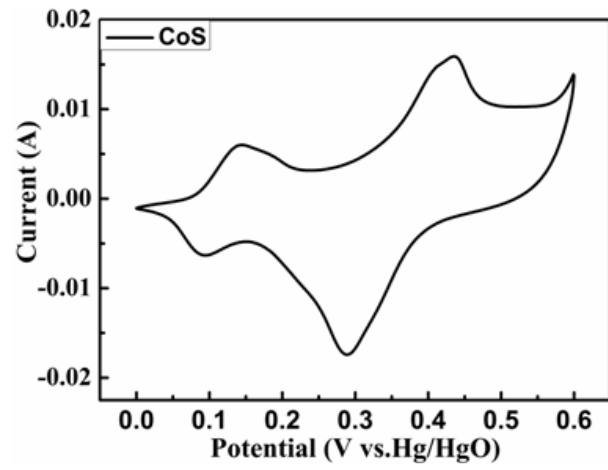


Fig. S3 CV curves of CoS electrode at 5 mV s^{-1}

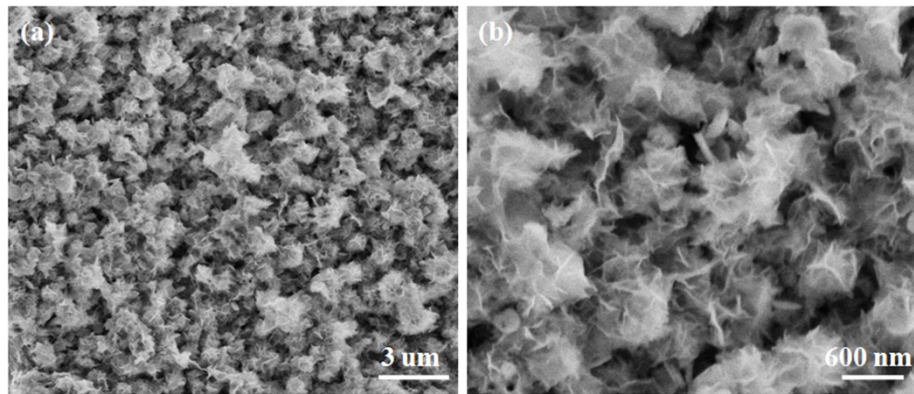


Fig. S4 (a) the low-magnification and (b) high-magnification FESEM images of $\text{Ni}_3\text{S}_2@\text{CoS}$ after 2000 cycles.