Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.
This journal is © the Owner Societies 2015

Supplementary Information

Facile hydrothermal synthesis of $NiMoO_4$@$CoMoO_4$ hierarchical nanospheres for supercapacitor applications

Zhen Zhang, Yundan Liu, Zongyu Huang*, Long Ren, Xiang Qi*, Xiaolin Wei, Jianxin Zhong

Hunan Key Laboratory of Micro-Nano Energy Materials and Devices, Xiangtan University, Hunan 411105, P.R. China, and Laboratory for Quantum Engineering and Micro-Nano Energy Technology and School of Physics and Optoelectronics, Xiangtan University, Hunan 411105, P. R. China

* Corresponding author: School of Physics and Optoelectronics, Xiangtan University, Hunan 411105, P. R. China

E-mail address: zyhuang@xtu.edu.cn, xqi@xtu.edu.cn

Figure S1

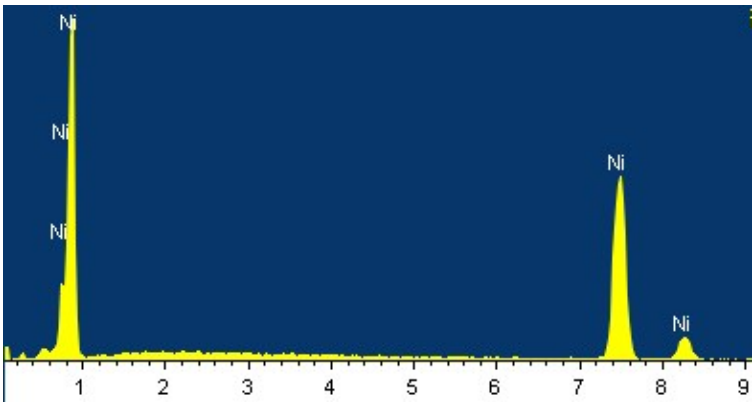

Figure S1: EDS spectrum of pure nickel foam.

Figure S2

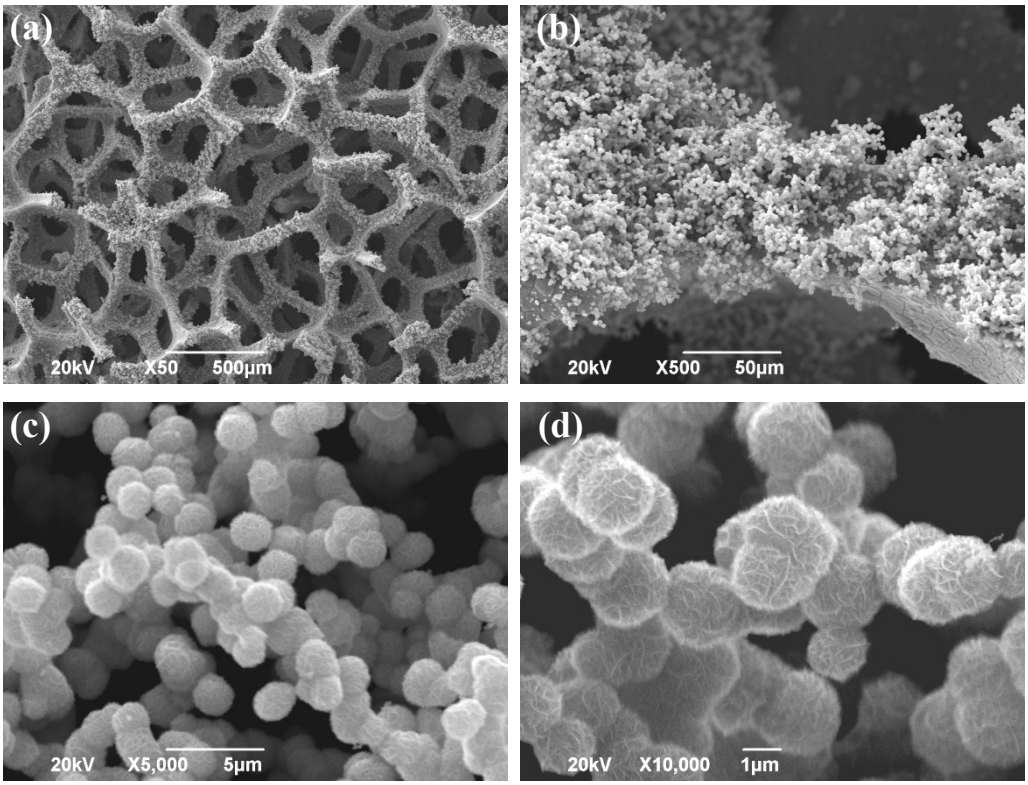

Figure S2: SEM images of $NiMoO_4$@$CoMoO_4$ nanosphere obtained with Ni/Co molar ratio of 10:0.

Figure S3

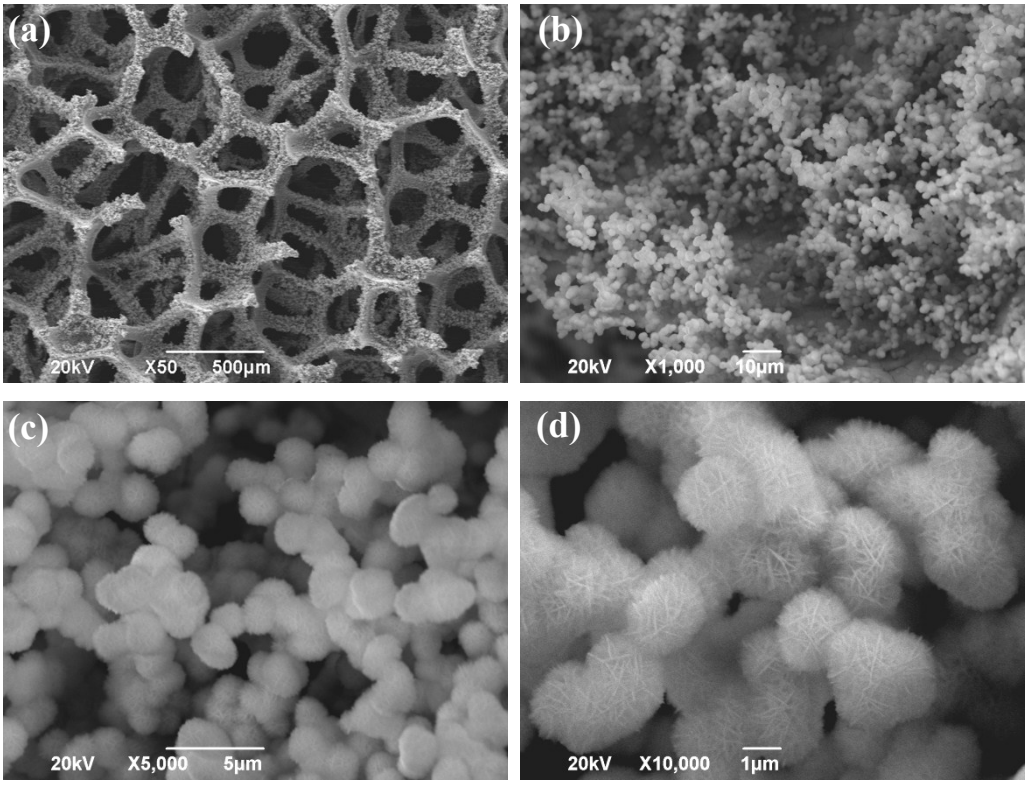

Figure S3: SEM images of $NiMoO_4$@$CoMoO_4$ nanosphere obtained with Ni/Co molar ratio of 5:5.

Figure S4

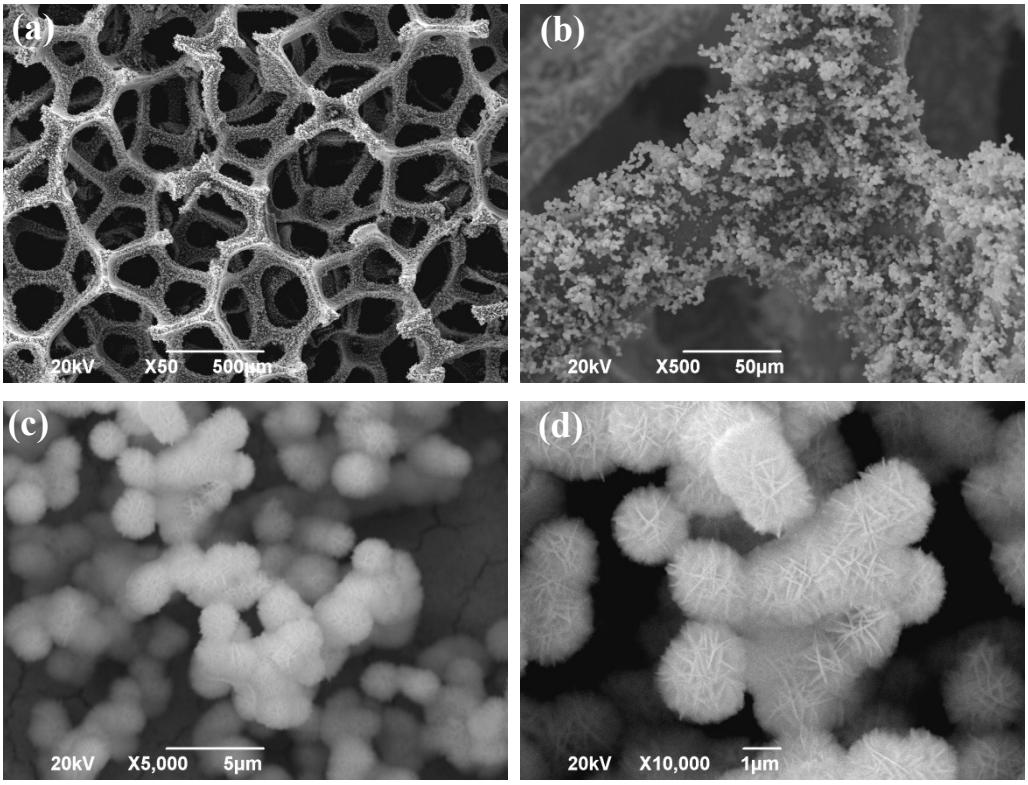

Figure S4: SEM images of $NiMoO_4$@$CoMoO_4$ nanosphere obtained with Ni/Co molar ratio of 2:8.

Figure S5

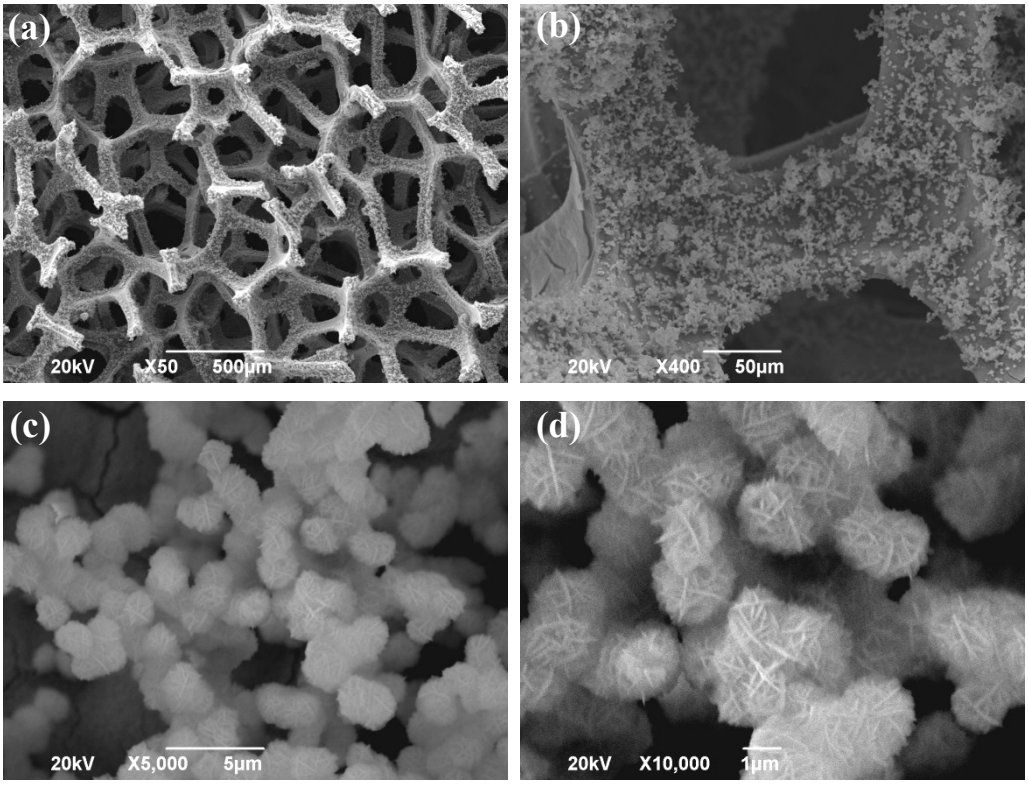

Figure S5: SEM images of $NiMoO_4$@$CoMoO_4$ nanosphere obtained with Ni/Co molar ratio of 0:10.

Figure S6

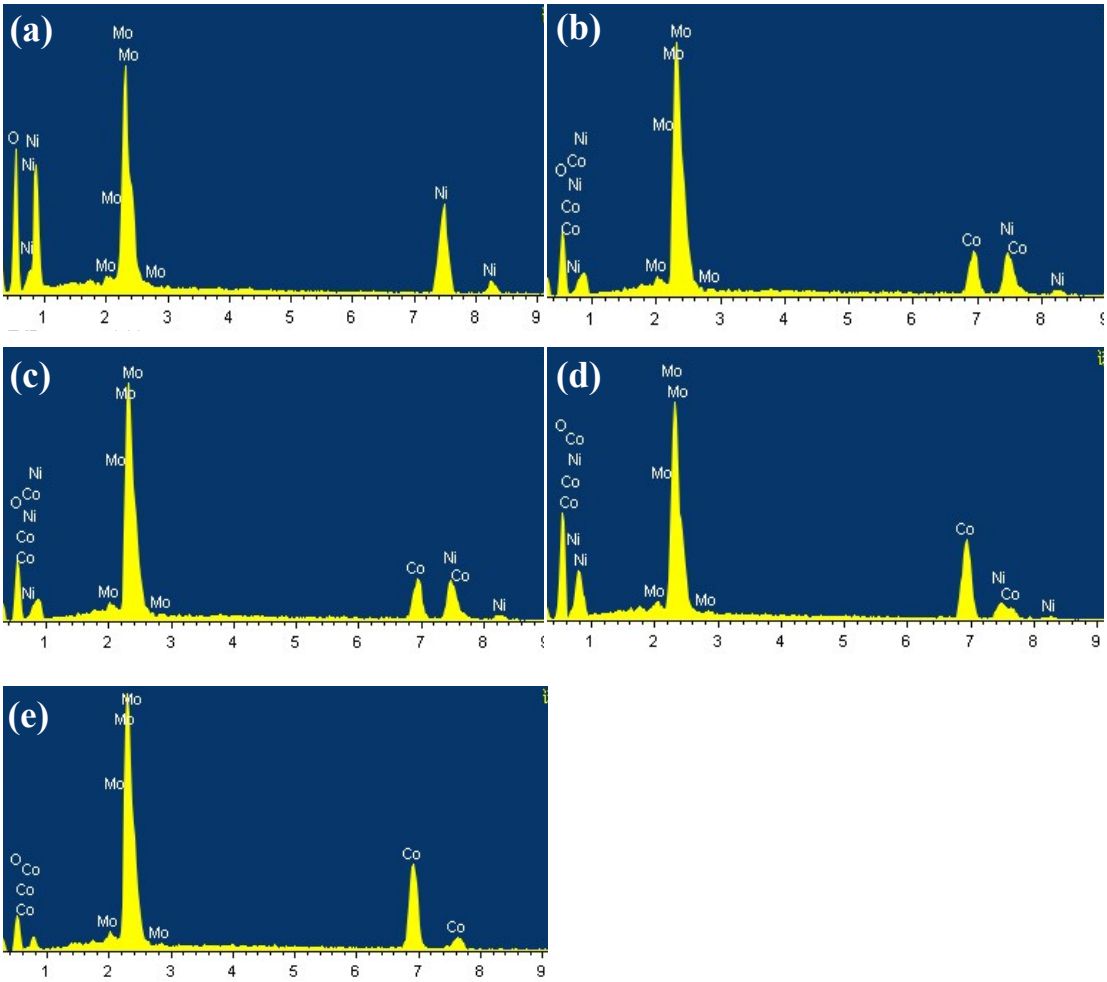

Figure S6: EDS spectrums of $NiMoO_4$@$CoMoO_4$ nanospheres obtained with various Ni/Co molar ratios of 10:0 (a), 8:2 (b), 5:5 (c), 2:8 (d), 0:10 (e).

Figure S7

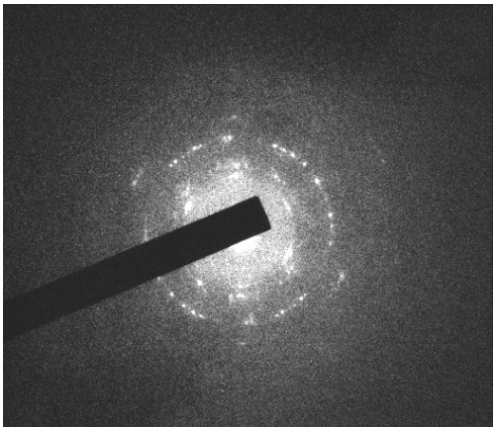

Figure S7: The corresponding selected area electron diffraction (SAED) pattern for $NiMoO_4$@$CoMoO_4$ nanospheres

Figure S8

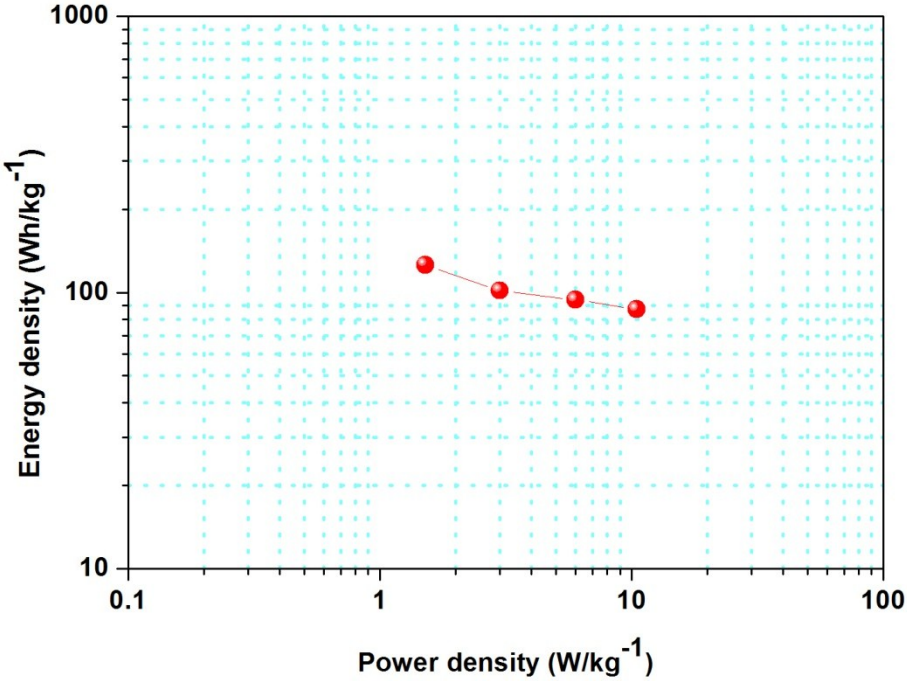

Figure S8: Rgone plot of the estimated energy density and power density at different current densities for the symmetric supercapacitor.