

Nanowires-assembled $\text{Co}_3\text{O}_4@\text{NiCo}_2\text{O}_4$ Architectures for High Performance All-Solid-State Asymmetric Supercapacitor

Yao Lu,^a La Li,^b Di Chen^{*a} and Guozhen Shen^{*b,c}

^a College of Physics and Mathematics and Beijing Key Laboratory for Magneto-Photoelectrical Composite and Interface Science,

University of Science and Technology Beijing, Beijing 100083, China. *E-mail: chendi@ustb.edu.cn

^b State Key Laboratory for Superlattices and Microstructures, Institute of Semiconductors, Chinese Academy of Sciences, Beijing 100083, China. *E-mail: gzshen@semi.ac.cn

^c College of Materials Science and Opto-Electronic Technology, University of Chinese Academy of Sciences, Beijing 100049, China

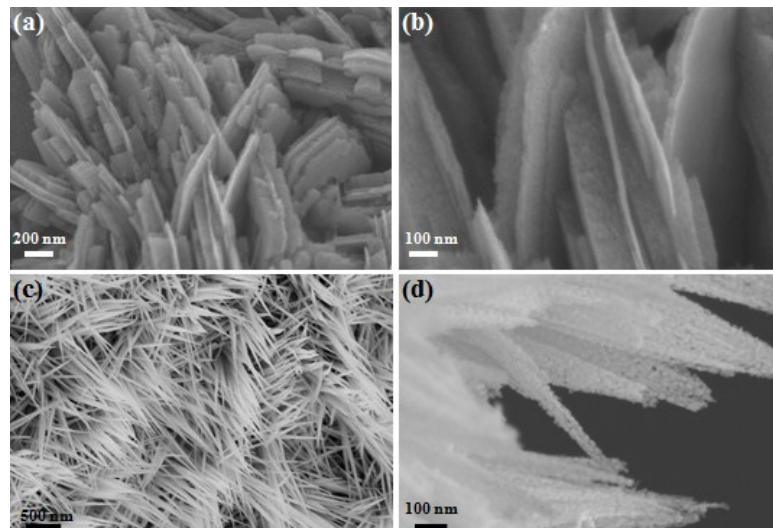


Fig. S1(a, b) SEM images of as-synthesized Co_3O_4 sheets on Ni foam; (c, d) SEM images of as-synthesized NiCo_2O_4 nanowires on Ni foam.

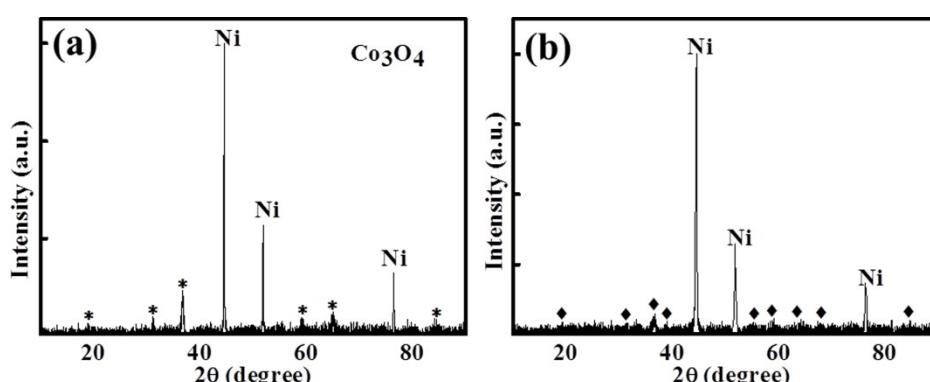


Fig. S2 (a) XRD pattern of Co_3O_4 on Ni foam; (b) XRD pattern of NiCo_2O_4 on Ni foam.

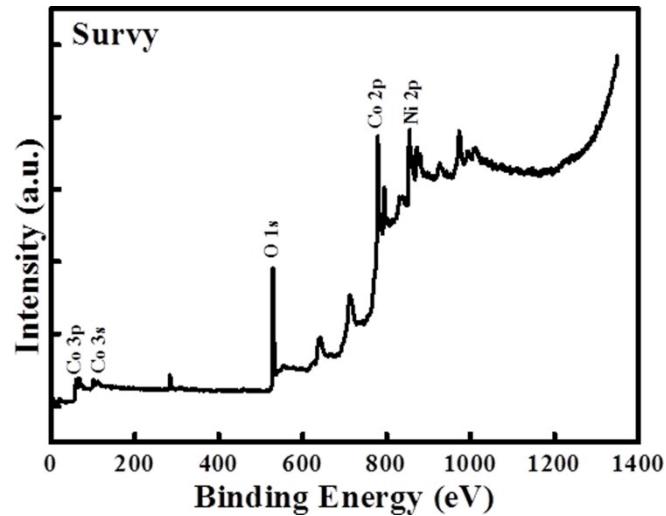


Fig. S3 XPS survey spectrum of $\text{Co}_3\text{O}_4/\text{NiCo}_2\text{O}_4$ composites.

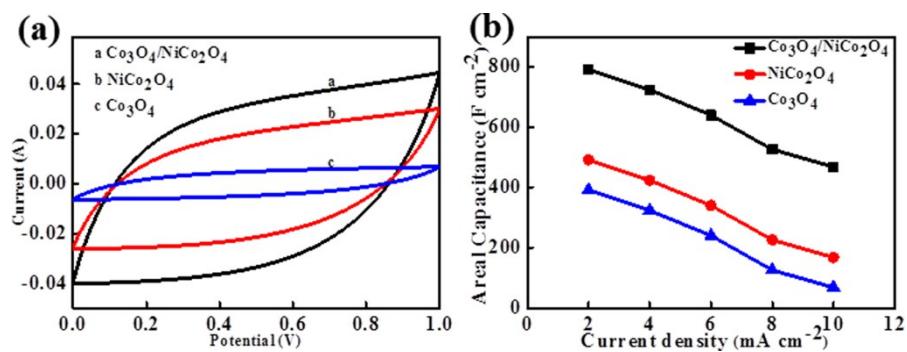


Fig. S4 (a) Contrastive CV curves of three capacitance devices at the scan rate 100 mV/s; (b) Areal capacitances of three symmetric supercapacitor devices respectively.