Surname *et al. Microstruct* Year;Volume:Number
DOI: 10.20517/microstruct.xxx.xx

Microstructures

Open Access

Supplementary Material

Preparation of Co_3S_4/rGO composites and their supercapacitor performances

Mingxing Zhu[1], Xinlei Han[1], Kaiming Zhang[1], Huan Liu[2], Chunyu Li[1], Hongru Sun[1], Qing Wen[2,3], Jing Zhao[2,3] *, Guiling Wang[2,3] *

[1]Heilongjiang Longxing International Resources Development Group Co., Ltd. Harbin 150036, Heilongjiang, China.

[2]Key Laboratory of Superlight Materials and Surface Technology of Ministry of Education, College of Materials Science and Chemical Engineering, Harbin Engineering University, Harbin 150001, Heilongjiang, China.

[3]Heilongjiang Hachuan Carbon Materials Technology Co., LTD, National Quality Supervision and Inspection Center of Graphite Productst, Jixi 158100, Heilongjiang, China.

Correspondence to: Prof. Guiling Wang; Dr. Jing Zhao, Key Laboratory of Superlight Materials and Surface Technology of Ministry of Education, College of Materials Science and Chemical Engineering, Harbin Engineering University, No. 145 Nantong Street, Harbin 150001, Heilongjiang, China. E-mail: wangguiling@hrbeu.edu.cn; E-mail: zhtdzhn@hrbeu.edu.cn

© The Author(s) 2021. Open Access This article is licensed under a Creative Commons Attribution 4.0 International License (https://creativecommons.org/licenses/by/4.0/), which permits unrestricted use, sharing, adaptation, distribution and reproduction in any medium or format, for any purpose, even commercially, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license, and indicate if changes were made.

Section S1: Figures

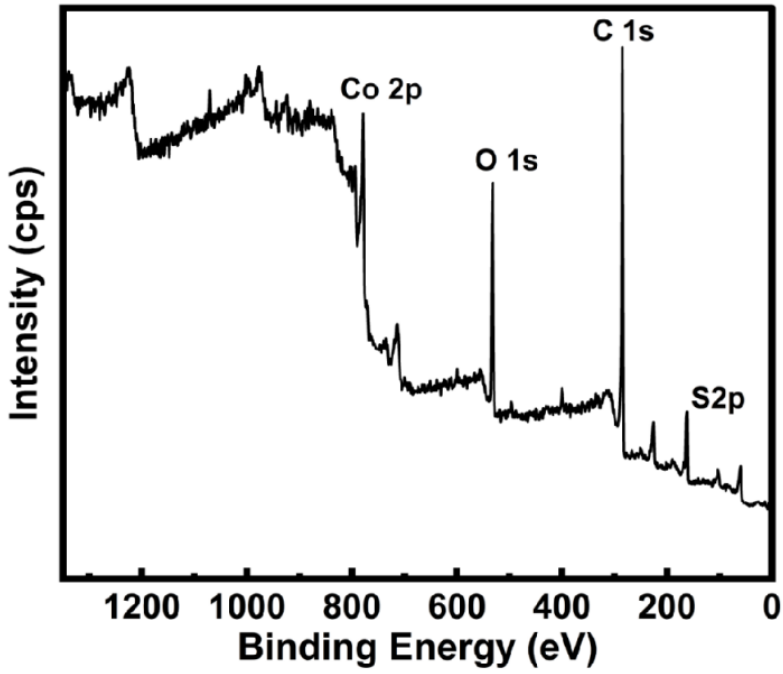

Figure S1 Total XPS spectrum of Co_3S_4/rGO-160-8 material.

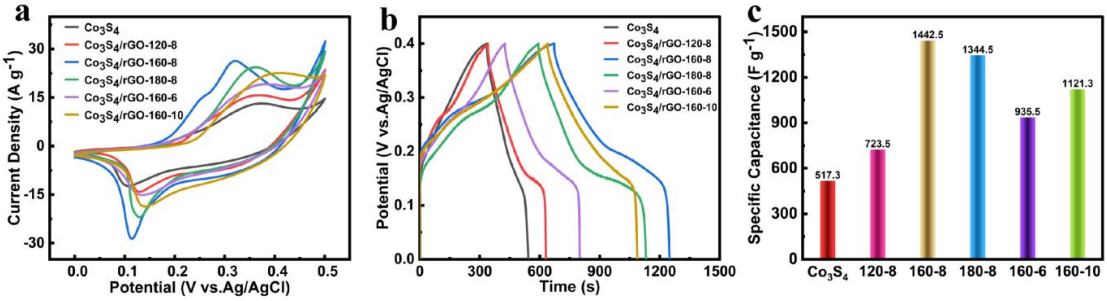

Figure S2 Compares the electrochemical performance of different materials: (a) CV curves at a scan rate of 10 mV s^{-1}; (b) GCD curves at 1 A g^{-1}; (c) specific capacitance values at 1 A g^{-1}.