

## Accepted Manuscript

Title: Mesoporous 3D NiCo<sub>2</sub>O<sub>4</sub>/MWCNT Nanocomposite Aerogels Prepared by a Supercritical CO<sub>2</sub> Drying Method for High Performance Hybrid Supercapacitor Electrodes

Authors: Santhana Sivabalan Jayaseelan, Sivaprakasam Radhakrishnan, Balasubramaniam Saravanakumar, Min-Kang Seo, Myung-Seob Khil, Hak-Yong Kim, Byoung-Suhk Kim



PII: S0927-7757(17)31044-0  
DOI: <https://doi.org/10.1016/j.colsurfa.2017.11.037>  
Reference: COLSUA 22084

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 9-9-2017  
Revised date: 13-11-2017  
Accepted date: 13-11-2017

Please cite this article as: Santhana Sivabalan Jayaseelan, Sivaprakasam Radhakrishnan, Balasubramaniam Saravanakumar, Min-Kang Seo, Myung-Seob Khil, Hak-Yong Kim, Byoung-Suhk Kim, Mesoporous 3D NiCo<sub>2</sub>O<sub>4</sub>/MWCNT Nanocomposite Aerogels Prepared by a Supercritical CO<sub>2</sub> Drying Method for High Performance Hybrid Supercapacitor Electrodes, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* <https://doi.org/10.1016/j.colsurfa.2017.11.037>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Mesoporous 3D NiCo<sub>2</sub>O<sub>4</sub>/MWCNT Nanocomposite Aerogels Prepared by a Supercritical CO<sub>2</sub> Drying Method for High Performance Hybrid Supercapacitor Electrodes**

Santhana Sivabalan Jayaseelan <sup>a</sup>, Sivaprakasam Radhakrishnan <sup>b</sup>, Balasubramaniam Saravanakumar <sup>a</sup>, Min-Kang Seo <sup>d</sup>, Myung-Seob Khil <sup>c</sup>, Hak-Yong Kim <sup>a,c</sup>, Byoung-Suhk Kim <sup>a,c\*</sup>

<sup>a</sup> *Department of BIN Convergence Technology, Chonbuk National University, 567 Baekje-daero, Deokjin-gu, Jeonju-si, Jeollabuk-do 54896, Republic of Korea.*

<sup>b</sup> *Electrodics and Electrocatalysis Division, CSIR-Central Electrochemical Research Institute, Karaikudie-63006, Tamilnadu, India.*

<sup>c</sup> *Department of Organic Materials & Fiber Engineering, Chonbuk National University, 567 Baekje-daero, Deokjin-gu, Jeonju-si, Jeollabuk-do 54896, Republic of Korea.*

<sup>d</sup> *Korea Institute of Carbon Convergence Technology, Jeonju 54852, Republic of Korea.*

\*Corresponding author. Tel.: +82 63 270 2352; Fax.: +82 63 270 2348.

*E-mail address:* kbsuhk@jbnu.ac.kr (B. S. Kim).

Download English Version:

<https://daneshyari.com/en/article/6977943>

Download Persian Version:

<https://daneshyari.com/article/6977943>

[Daneshyari.com](https://daneshyari.com)