Accepted Manuscript

Ni-Co hydroxide nanoneedles embedded in graphene hydrogel as a binder-free electrode for high-performance asymmetric supercapacitor

Minsik Hwang, Jeongmin Kang, Kwang-dong Seong, Dae Kyom Kim, Xuanzhen Jin, Wytse Hooch Antink, Chaedong Lee, Yuanzhe Piao

Journal of the International Society of Heurochemistry

Electrochimica

Acia

Acia

Society of Heurochemistry

Acia

PII: S0013-4686(18)30577-2

DOI: 10.1016/j.electacta.2018.03.075

Reference: EA 31441

To appear in: Electrochimica Acta

Received Date: 27 December 2017
Revised Date: 28 February 2018
Accepted Date: 11 March 2018

Please cite this article as: M. Hwang, J. Kang, K.-d. Seong, D.K. Kim, X. Jin, W.H. Antink, C. Lee, Y. Piao, Ni-Co hydroxide nanoneedles embedded in graphene hydrogel as a binder-free electrode for high-performance asymmetric supercapacitor, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2018.03.075.

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.

ACCEPTED MANUSCRIPT

Ni-Co hydroxide nanoneedles embedded in graphene hydrogel as a binder-free electrode for high-performance asymmetric supercapacitor

Minsik Hwang^{a,1}, Jeongmin Kang^{a,1}, Kwang-dong Seong^a, Dae Kyom Kim^a, Xuanzhen Jin^a, Wytse Hooch Antink^a, Chaedong Lee^a, and Yuanzhe Piao^{a,b,*}

^aProgram in Nano Science and Technology, Graduate School of Convergence Science and Technology, Seoul National University, 145 Gwanggyo-ro, Yeongtong-gu, Suwon–si, Gyeonggi-do 443-270, Republic of Korea

^bAdvanced Institutes of Convergence Technology, 145 Gwanggyo-ro, Yeongtong-gu, Suwon–si, Gyeonggi-do 443-270, Republic of Korea

.

*Corresponding author. Tel.: +82 31 8889141; Fax: +82 31 8889148

E-mail address: parkat9@snu.ac.kr (Y. Piao)

¹These authors contributed equally to this work.

Download English Version:

https://daneshyari.com/en/article/6603408

Download Persian Version:

https://daneshyari.com/article/6603408

<u>Daneshyari.com</u>