

Accepted Manuscript

Bamboo-like amorphous carbon nanotubes as a backbone for covering ultrathin nickel oxide nanosheets for lithium-ion batteries with long cycle life

Xin Xu, Hui Tan, Kai Xi, Shujiang Ding, Demei Yu, Shaodong Cheng, Guang Yang, Xiaoyu Peng, Amir Fakeeh, R Vasant Kumar

PII: S0008-6223(14)01201-9

DOI: <http://dx.doi.org/10.1016/j.carbon.2014.12.040>

Reference: CARBON 9573

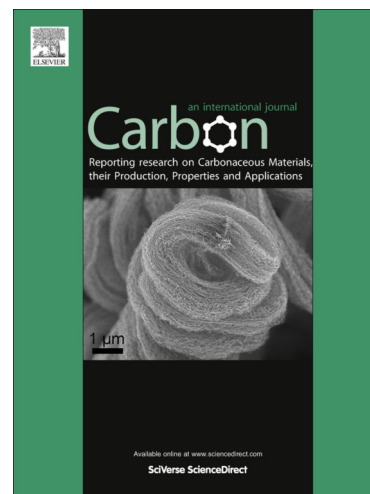
To appear in: *Carbon*

Received Date: 24 September 2014

Accepted Date: 11 December 2014

Please cite this article as: Xu, X., Tan, H., Xi, K., Ding, S., Yu, D., Cheng, S., Yang, G., Peng, X., Fakeeh, A., Kumar, R.V., Bamboo-like amorphous carbon nanotubes as a backbone for covering ultrathin nickel oxide nanosheets for lithium-ion batteries with long cycle life, *Carbon* (2014), doi: <http://dx.doi.org/10.1016/j.carbon.2014.12.040>

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.



**Bamboo-like amorphous carbon nanotubes as a backbone for
covering ultrathin nickel oxide nanosheets for lithium-ion batteries
with long cycle life**

Xin Xu^{a,1}, Hui Tan^{b,1}, Kai Xi^{c,}, Shujiang Ding^{a,*}, Demei Yu^a, Shaodong Cheng^d, Guang Yang^d,
Xiaoyu Peng^c, Amir Fakeeh^c, R Vasant Kumar^c*

*^a Department of Applied Chemistry, School of Science,
State Key Laboratory for Mechanical Behavior of Materials and MOE Key Laboratory for
Nonequilibrium Synthesis and Modulation of Condensed Matter, Xi'an Jiaotong University,
Xi'an 710049, China*

^b Zhongshan School of Medicine, Sun Yat-Sen University, Guangzhou, 510275, China

*^c Department of Materials Science and Metallurgy, University of Cambridge, Cambridge CB3
0FS, United Kingdom*

*^d Electronic Materials Research Laboratory, Key Laboratory Of The Ministry Of Education &
International Center For Dielectric Research, Xi'an Jiaotong University, Xi'an, China*

**To whom correspondence should be addressed.*

E-mail: kx210@cam.ac.uk; dingsj@mail.xjtu.edu.cn

¹These authors have equally contributed.

Download English Version:

<https://daneshyari.com/en/article/7852063>

Download Persian Version:

<https://daneshyari.com/article/7852063>

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