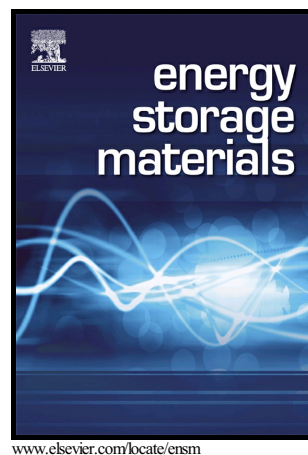


Author's Accepted Manuscript

The Advance of Nickel-Cobalt-Sulfide as Ultra-fast/high Sodium Storage Materials: The Influences of Morphology Structure, Phase Evolution and Interface Property

Sijie Li, Peng Ge, Feng Jiang, Honglei Shuai, Wei Xu, Yunling Jiang, Yang Zhang, Jiugang Hu, Hongshuai Hou, Xiaobo Ji



PII: S2405-8297(18)30460-4
DOI: <https://doi.org/10.1016/j.ensm.2018.06.006>
Reference: ENSM416

To appear in: *Energy Storage Materials*

Received date: 17 April 2018
Revised date: 5 June 2018
Accepted date: 7 June 2018

Cite this article as: Sijie Li, Peng Ge, Feng Jiang, Honglei Shuai, Wei Xu, Yunling Jiang, Yang Zhang, Jiugang Hu, Hongshuai Hou and Xiaobo Ji, The Advance of Nickel-Cobalt-Sulfide as Ultra-fast/high Sodium Storage Materials: The Influences of Morphology Structure, Phase Evolution and Interface Property, *Energy Storage Materials*, <https://doi.org/10.1016/j.ensm.2018.06.006>

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 galley proof before it is published in its final citable 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.

The Advance of Nickel-Cobalt-Sulfide as Ultra-fast/high Sodium Storage Materials: The Influences of Morphology Structure, Phase Evolution and Interface Property

Sijie Li^{a,b}, Peng Ge^{a,b}, Feng Jiang^c, Honglei Shuai^{a,b}, Wei Xu^{a,b}, Yunling Jiang^{a,b}, Yang Zhang^{a,b}, Jiugang Hu^{a,b}, Hongshuai Hou^{a,b} and Xiaobo Ji^{a,b}*

^aCollege of Chemistry and Chemical Engineering, Central South University, Changsha, 410083, China.

^bState Key Laboratory of Powder Metallurgy, Central South University, Changsha, 410083, China.

^cSchool of Minerals Processing and Bioengineering, Central South University, Changsha, 410083, China.

*Corresponding authors: Prof. Dr Xiaobo Ji FRSC Tel: +86-731-88879616; Fax: +86-731-88879616 ,xji@csu.edu.cn

Abstract:

Numerous interests have been captured for bimetallic NiCo₂S₄ ascribed to its excellent electrical conductivity, whilst its sluggish sodium-ion kinetics at high-rate limits the advancement of reversible sodium storage. Herein, NiCo₂S₄ nanodots (~9nm) uniformly incorporated with N-doped carbon are prepared (NiCo₂S₄@NC)

Download English Version:

<https://daneshyari.com/en/article/7962391>

Download Persian Version:

<https://daneshyari.com/article/7962391>

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