

Accepted Manuscript

Improved particle hardness of Ti-doped $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3-x}\text{Ti}_x\text{O}_2$ as high-voltage cathode material for lithium-ion batteries

Woosuk Cho, Jun Ho Song, Ko-Woon Lee, Min-Woo Lee, Hyuntae Kim, Ji-Sang Yu, Young-Jun Kim, Ki Jae Kim

PII: S0022-3697(18)31570-1

DOI: [10.1016/j.jpcs.2018.08.008](https://doi.org/10.1016/j.jpcs.2018.08.008)

Reference: PCS 8684

To appear in: *Journal of Physics and Chemistry of Solids*

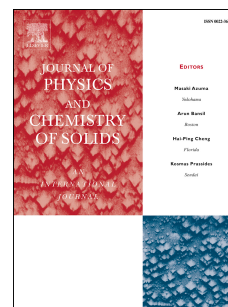
Received Date: 10 June 2018

Revised Date: 2 August 2018

Accepted Date: 8 August 2018

Please cite this article as: W. Cho, J.H. Song, K.-W. Lee, M.-W. Lee, H. Kim, J.-S. Yu, Y.-J. Kim, K.J. Kim, Improved particle hardness of Ti-doped $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3-x}\text{Ti}_x\text{O}_2$ as high-voltage cathode material for lithium-ion batteries, *Journal of Physics and Chemistry of Solids* (2018), doi: 10.1016/j.jpcs.2018.08.008.

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.



Improved particle hardness of Ti-doped $\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3-x}\text{Ti}_x\text{O}_2$ as high-voltage cathode material for lithium-ion batteries

Woosuk Cho¹, Jun Ho Song¹, Ko-Woon Lee¹, Min-Woo Lee¹, Hyuntae Kim¹, Ji-Sang Yu¹,

Young-Jun Kim^{2*}, Ki Jae Ki^{3*}

¹*Advanced Batteries Research Center, Korea Electronics Technology Institute,
#25, Saenari-ro, Bundang-gu, Seongnam-si, Gyeonggi-do 463-816, Korea*

²*SKKU Advanced Institute of Nanotechnology(SAINT), Sungkyunkwan University,
#2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-Do 16419, Korea*

³*Department of Energy Engineering, Konkuk University,
#120 Neungdong-ro, Gwangjin-gu, Seoul 05029, Korea*

* Corresponding author. Tel.: +82 2 2049 6181; fax: + 82 2 3437 8360

E-mail address: kijaekim@konkuk.ac.kr (KJ. Kim), yjkim68@skku.edu (Y.J. Kim)

Download English Version:

<https://daneshyari.com/en/article/7919857>

Download Persian Version:

<https://daneshyari.com/article/7919857>

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