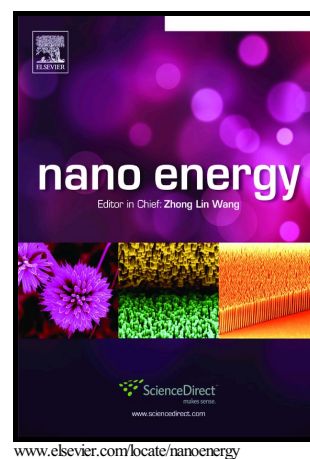


Author's Accepted Manuscript

Biodegradable, Electro-active Chitin Nanofiber Films for Flexible Piezoelectric Transducers

Kyungtae Kim, Minjeong Ha, Byeongwook Choi, Se Hun Joo, Han Sol Kang, Ju Hyun Park, Bongjun Gu, Chanho Park, Cheolmin Park, Jong Bok Kim, Sang Kyu Kwak, Hyunhyub Ko, Jungho Jin, Seok Ju Kang



PII: S2211-2855(18)30195-2
DOI: <https://doi.org/10.1016/j.nanoen.2018.03.056>
Reference: NANOEN2604

To appear in: *Nano Energy*

Received date: 2 January 2018
Revised date: 9 March 2018
Accepted date: 21 March 2018

Cite this article as: Kyungtae Kim, Minjeong Ha, Byeongwook Choi, Se Hun Joo, Han Sol Kang, Ju Hyun Park, Bongjun Gu, Chanho Park, Cheolmin Park, Jong Bok Kim, Sang Kyu Kwak, Hyunhyub Ko, Jungho Jin and Seok Ju Kang, Biodegradable, Electro-active Chitin Nanofiber Films for Flexible Piezoelectric Transducers, *Nano Energy*, <https://doi.org/10.1016/j.nanoen.2018.03.056>

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.

Biodegradable, Electro-active Chitin Nanofiber Films for Flexible Piezoelectric Transducers

Kyungtae Kim^{a,1}, Minjeong Ha^{a,1}, Byeongwook Choi^{b,1}, Se Hun Joo^a, Han Sol Kang^c, Ju Hyun Park^a, Bongjun Gu^d, Chanho Park^c, Cheolmin Park^c, Jong Bok Kim^d, Sang Kyu Kwak^a, Hyunhyub Ko^{a,*}, Jungho Jin^{b,*}, and Seok Ju Kang^{a,*}

^aSchool of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan 44919, Korea

^bSchool of Materials Science and Engineering, University of Ulsan, Ulsan 44610, Korea

^cDepartment of Materials Science and Engineering, Yonsei University, Seoul 03722, Korea

^dDepartment of Materials Science and Engineering, Kumoh National Institute of Technology, Gyeongbuk 39177, Korea

sjkang@unist.ac.kr,

jinue@ulsan.ac.kr,

hyunhko@unist.ac.kr

*Corresponding Author

¹ These authors contributed equally to this work. The manuscript was written through contributions of all authors. All authors have given approval to the final version of the manuscript.

Download English Version:

<https://daneshyari.com/en/article/7952642>

Download Persian Version:

<https://daneshyari.com/article/7952642>

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