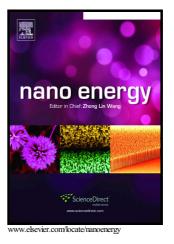
## Author's Accepted Manuscript

A Novel Design of Hybrid Transparent Electrodes for High Performance and Ultra-Flexible Bifunctional Electrochromic-Supercapacitors

Riski Titian Ginting, Manoj Mayaji Ovhal, Jae-Wook Kang



 PII:
 S2211-2855(18)30660-8

 DOI:
 https://doi.org/10.1016/j.nanoen.2018.09.016

 Reference:
 NANOEN3021

To appear in: Nano Energy

Received date:21 May 2018Revised date:24 August 2018Accepted date:9 September 2018

Cite this article as: Riski Titian Ginting, Manoj Mayaji Ovhal and Jae-Wook Kang, A Novel Design of Hybrid Transparent Electrodes for High Performance and Ultra-Flexible Bifunctional Electrochromic-Supercapacitors, *Nano Energy*, https://doi.org/10.1016/j.nanoen.2018.09.016

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.

### **ACCEPTED MANUSCRIPT**

### A Novel Design of Hybrid Transparent Electrodes for High Performance and

#### Ultra-Flexible Bifunctional Electrochromic-Supercapacitors

Riski Titian Ginting<sup>a,b,§</sup>, Manoj Mayaji Ovhal<sup>a,§</sup> and Jae-Wook Kang<sup>a,\*</sup>

<sup>a</sup>Department of Flexible and Printable Electronics, Polymer Materials Fusion Research Center,

Chonbuk National University, Jeonju 54896, Republic of Korea

<sup>b</sup>Department of Physics, Faculty of Mathematics and Natural Science, University of Sumatera Utara, Medan, Indonesia

<sup>§</sup>R.T. Ginting, and M.M. Ovhal made equal contribution to this paper

\*To whom correspondence should be addressed.

Prof. Jae-Wook Kang (E-mail: jwkang@jbnu.ac.kr)

Accel

Download English Version:

# https://daneshyari.com/en/article/10135953

Download Persian Version:

https://daneshyari.com/article/10135953

Daneshyari.com