Accepted Manuscript

Enhanced gas barrier properties of graphene-TiO₂ nanocomposites on plastic substrates assisted by UV photoreduction of graphene oxide

Sooji Nam, Yong Jin Jeong, Chan Eon Park, Jaeyoung Jang

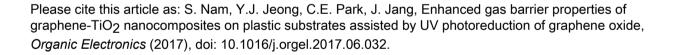
PII: \$1566-1199(17)30289-6

DOI: 10.1016/j.orgel.2017.06.032

Reference: ORGELE 4157

To appear in: Organic Electronics

Received Date: 24 March 2017 Revised Date: 31 May 2017 Accepted Date: 12 June 2017



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.



ACCEPTED MANUSCRIPT

Enhanced Gas Barrier Properties of Graphene-

TiO₂ Nanocomposites on Plastic Substrates

Assisted by UV Photoreduction of Graphene

Oxide

Sooji Nam, a,1 Yong Jin Jeong, b,1 Chan Eon Park, and Jaeyoung Jang^{c,*}

^aRealistic Display Research Group, Electronics and Telecommunications Research Institute, Daejeon 34129, Republic of Korea.

^bPOSTECH Organic Electronics Laboratory, Polymer Research Institute, Department of Chemical Engineering, Pohang University of Science and Technology, Pohang 37673, Republic of Korea.

^cDepartment of Energy Engineering, Hanyang University, Seoul 04763, Republic of Korea.

¹Equally contributed as first authors

Corresponding Authors

*E-mail: <u>jyjang15@hanyang.ac.kr</u>, Tel: +82-2-2220-2334 (J. Jang)

Download English Version:

https://daneshyari.com/en/article/5143996

Download Persian Version:

https://daneshyari.com/article/5143996

<u>Daneshyari.com</u>