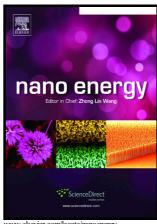
Author's Accepted Manuscript

Highly Efficient Air-Stable/Hysteresis-free Flexible Inverted-type Planar Perovskite and Organic Solar Cells Employing a Small Molecular Organic Hole Transporting Material

Saripally Sudhaker Reddy, Sungmin Shin, Um Kanta Aryal, Ryosuke Nishikubo, Akinori Saeki, Myungkwan Song, Sung-Ho Jin



www.elsevier.com/locate/nanoenergy

PII: S2211-2855(17)30543-8

http://dx.doi.org/10.1016/j.nanoen.2017.09.009 DOI:

NANOEN2185 Reference:

To appear in: Nano Energy

Received date: 7 June 2017 30 August 2017 Revised date: Accepted date: 2 September 2017

Cite this article as: Saripally Sudhaker Reddy, Sungmin Shin, Um Kanta Aryal, Ryosuke Nishikubo, Akinori Saeki, Myungkwan Song and Sung-Ho Jin, Highly Efficient Air-Stable/Hysteresis-free Flexible Inverted-type Planar Perovskite and Organic Solar Cells Employing a Small Molecular Organic Hole Transporting Material, Nano Energy, http://dx.doi.org/10.1016/j.nanoen.2017.09.009

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.

Highly Efficient Air-Stable/Hysteresis-free Flexible Inverted-type Planar Perovskite and Organic Solar Cells Employing a Small

Molecular Organic Hole Transporting Material

Saripally Sudhaker Reddy^a, Sungmin Shin^a, Um Kanta Aryal^a, Ryosuke Nishikubo^b, Akinori Saeki^{b,*} Myungkwan Song^{c,*} and Sung-Ho Jin^{a,*}

^aDepartment of Chemistry Education, Graduate Department of Chemical Materials, and Institute for Plastic Information and Energy Materials,

Pusan National University, Busan, 46241, Republic of Korea

^bDepartment of Applied Chemistry, Graduate School of Engineering Osaka University 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan

^cAdvanced Functional Thin Films Department, Surface Technology Division, Korea Institute of Materials Science (KIMS), 797 Changwondaero,

Sungsan-Gu, Changwon, Gyeongnam 642-831, Republic of Korea

E-mail: shjin@pusan.ac.kr

Email: saeki@chem.eng.osaka-u.ac.jp

E-mail: smk1017@kims.re.kr

1

Download English Version:

https://daneshyari.com/en/article/5451750

Download Persian Version:

https://daneshyari.com/article/5451750

<u>Daneshyari.com</u>