Accepted Manuscript

Study on a stretchable, fiber-shaped, and TiO_2 nanowire array-based dye-sensitized solar cell with electrochemical impedance spectroscopy method

Guicheng Liu, Hui Wang, Manxiang Wang, Wenbing Liu, Ryanda Enggar Anugrah Ardhi, Dechun Zou, Joong Kee Lee

PII: S0013-4686(18)30366-9

DOI: 10.1016/j.electacta.2018.02.075

Reference: EA 31270

To appear in: *Electrochimica Acta*

Received Date: 2 November 2017

Revised Date: 6 February 2018

Accepted Date: 13 February 2018

Please cite this article as: G. Liu, H. Wang, M. Wang, W. Liu, R.E. Anugrah Ardhi, D. Zou, J.K. Lee, Study on a stretchable, fiber-shaped, and TiO_2 nanowire array-based dye-sensitized solar cell with electrochemical impedance spectroscopy method, *Electrochimica Acta* (2018), doi: 10.1016/j.electacta.2018.02.075.

Study on a stretchable, fiber-shaped, and TiO_2 nanowire array-based dye-sensitized solar cell with electrochemical impedance spectroscopy method

Guicheng Liu [a,1*], Hui Wang [b,1], Manxiang Wang [a,c,1], Wenbing Liu [d], Ryanda Enggar Anugrah Ardhi [a], Dechun Zou [e*], Joong Kee Lee [a,f*]

[a] *Center for Energy Convergence Research, Green City Research Institute, Korea Institute of Science and Technology (KIST), Hwarang-ro 14-gil 5, Seongbuk-gu, Seoul 02792, Republic of Korea*

[b] *MOE Laboratory of Bioinorganic and Synthetic Chemistry, The Key Lab of Low-Carbon Chemistry & Energy Conservation of Guangdong Province, School of Chemistry, Sun Yat-sen University, Guangzhou 510275, China*

[c] *College of Environmental Science and Engineering, Beijing Forestry University, Beijing 100083, China*

[d] *Wuhan National Laboratory for Optoelectronics, Huazhong University of Science and Technology, Wuhan 430074, China*

[e] *College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China*

[f] *Energy and Environmental Engineering, Korea University of Science and Technology, Daejeon 34113, Republic of Korea.*

[1] Dr. Guicheng Liu, Hui Wang and Manxiang Wang contributed equally.

Corresponding authors: log67@163.com, D15604@kist.re.kr (Liu); dczou@pku.edu.cn (Zou); leejk@kist.re.kr (Lee).

Tel/ Fax: +82-2-958-5257; +86-10-6257-9799.