Supporting Information:

High Efficiency Solid-state Dye-sensitized Solar Cells Using Hierarchically Structured TiO₂

Nanofibers

Daesub Hwang, ¹ Seong Mu Jo, ¹ Dong Young Kim, ¹ Vanessa Armel, ² Douglas R.

MacFarlane, ² Sung-Yeon Jang ¹*

¹Polymer Hybrids Center, Korea Institute of Science and Technology, Seoul, Korea ²Australian Centre for Electromaterials Science, School of Chemistry, Monash University, Clayton, VIC 3800, Australia

CORRESPONDING AUTHOR FOOTNOTE

Current address: Department of Chemistry, Kookmin University, Seoul, Korea

E-mail: syjang@kookmin.ac.kr, Tel: +82- 2- 910- 5768, Fax: +82- 2- 910- 4415

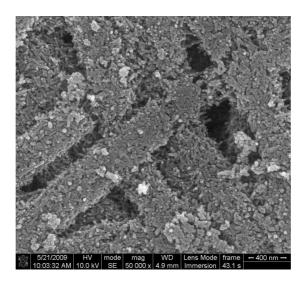


Figure S1. SEM image of the HS-NFs after dye loading.

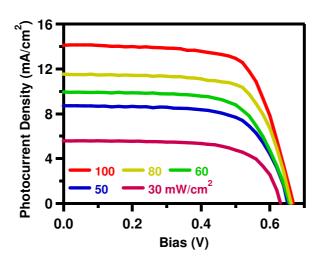


Figure S2. *J-V* curves of the DSSC-NFs under simulated AM 1.5G at the diverse light intensities.

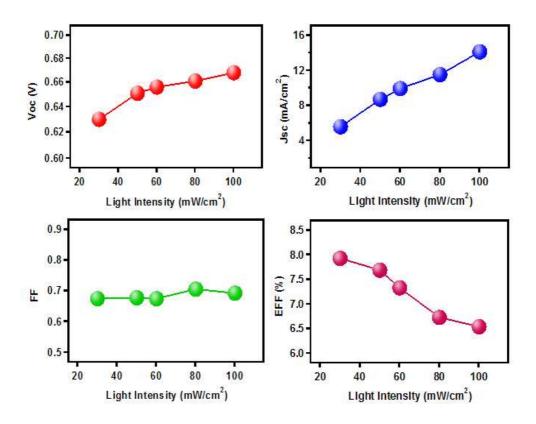


Figure S3. The photovoltaic properties of the DSSC-NFs with respect to under simulated AM 1.5G at the diverse light intensities.