

Electronic Supplementary Information

A novel TCO- and Pt-free counter electrode for high efficiency dye-sensitized solar cells

Teng-Long Zhang, Hong-Yan Chen,* Cheng-Yong Su and Dai-Bin Kuang*

MOE Key Laboratory of Bioinorganic and Synthetic Chemistry, KLGHEI of Environment and Energy Chemistry, State Key Laboratory of Optoelectronic Materials and Technologies, School of Chemistry and Chemical Engineering, Sun Yat-sen University, Guangzhou 510275 P. R. China

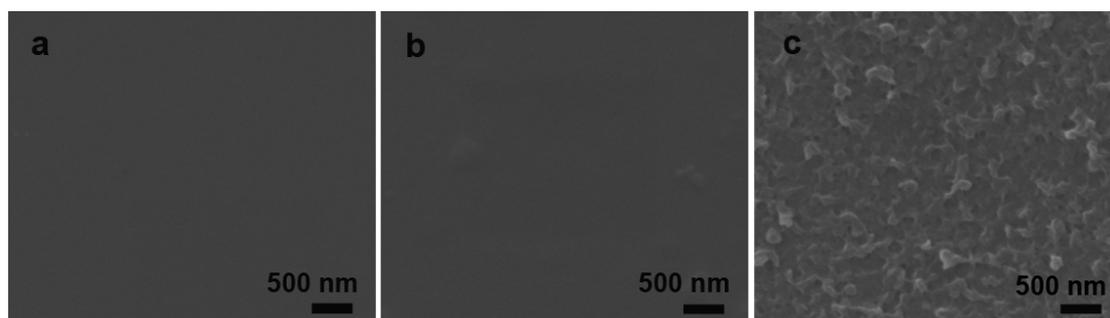


Fig. S1 SEM images of pristine PEDOT:PSS film (a), EG-treated PEDOT:PSS film (b), and electrodeposited PEDOT catalytic film on the top of EG-treated PEDOT:PSS film (c). The surface of the pristine PEDOT:PSS film is very smooth on the glass substrate with no obvious grains. After the EG-treatment, some grains appear on the surface, and a more granular film forms when a layer of PEDOT catalyst is electrodeposited on the surface.