Electronic Supplementary Information

Fabrication of Hierarchically Assembled Microspheres Consisting of Nanoporous ZnO Nanosheets for High-Efficiency Dye-Sensitized Solar Cells

Zhengdao Li, Yong Zhou,* Guogang Xue, Tao Yu, Jianguo Liu, Zhigang Zou,*

a Eco-Materials and Renewable Energy Research Center (ERERC), National Laboratory of Solid State Microstructures, Nanjing University, Nanjing 210093, P. R. China. Fax: 86-25-83686632; Tel: 86-25-83686630
E-mail: zhouyong1999@nju.edu.cn

b School of Physics, Nanjing University, Nanjing 210093, P. R. China. Fax: 86-25-83686632; Tel: 86-25-83686630
E-mail: zgzou@nju.edu.cn

c Department of Materials Science and Engineering, Nanjing University, Nanjing
**Figure S1.** XRD patterns of (a) the precursor hydrozincite Zn₅(OH)₆(CO₃)₂. NOTE: for simplicity, only major diffraction peaks were indexed. (b) the three samples.
Figure S2. TG curves of the precursor hydrozincite $\text{Zn}_3(\text{OH})_6(\text{CO}_3)_2$. 
Figure S3. FE-SEM images of the PNMF at different magnification.
**Figure S4.** FE-SEM images of the PDN at different magnification.
Figure S5. Diffuse-reflectance spectra of the PNMS, PNMF, and PDN films after the dye absorption.