

## Electronic Supplementary Information

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

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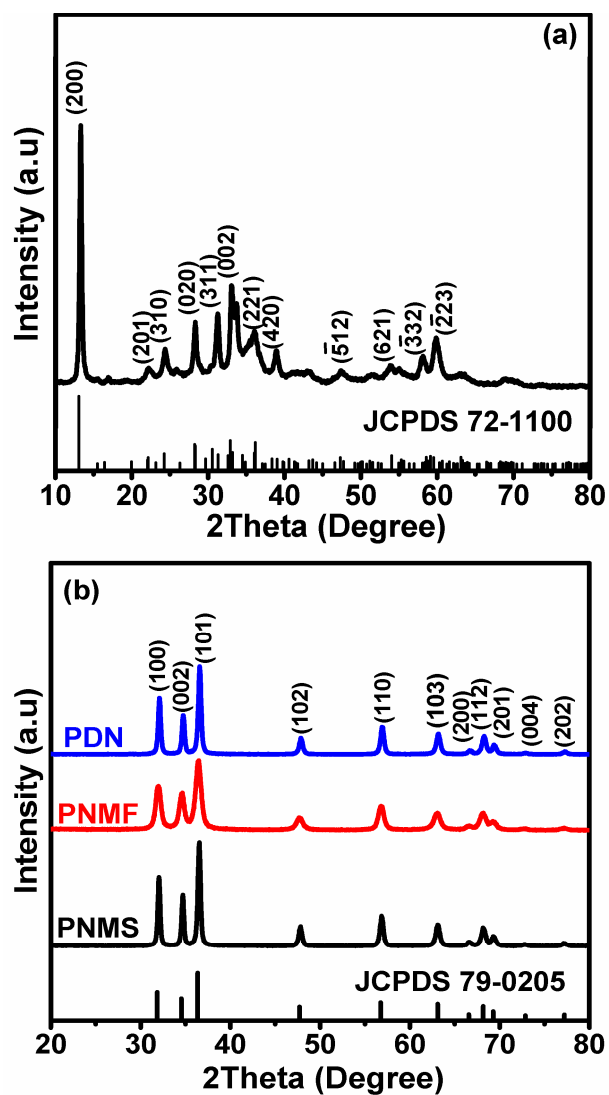
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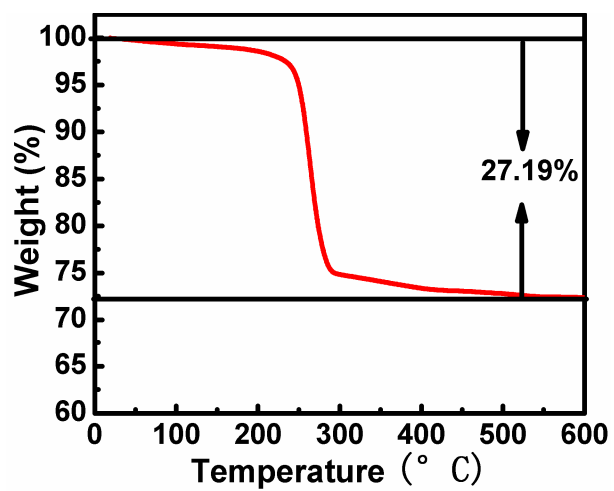
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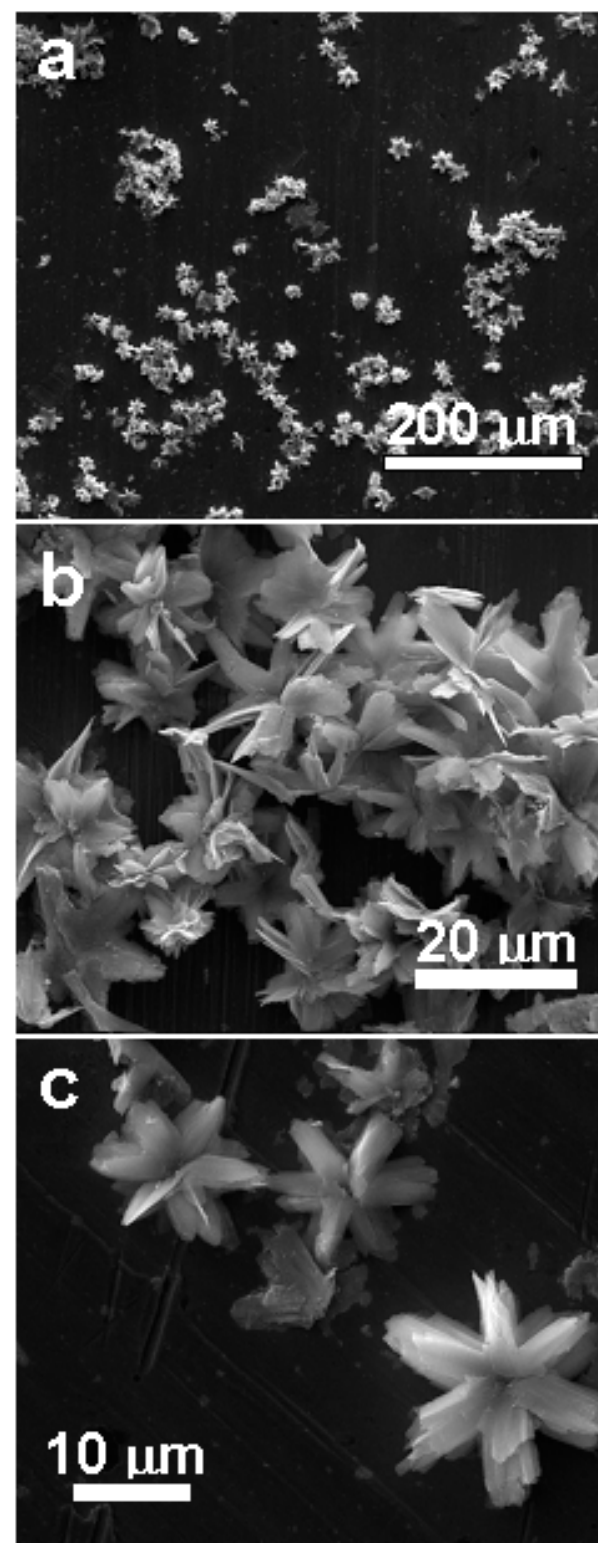
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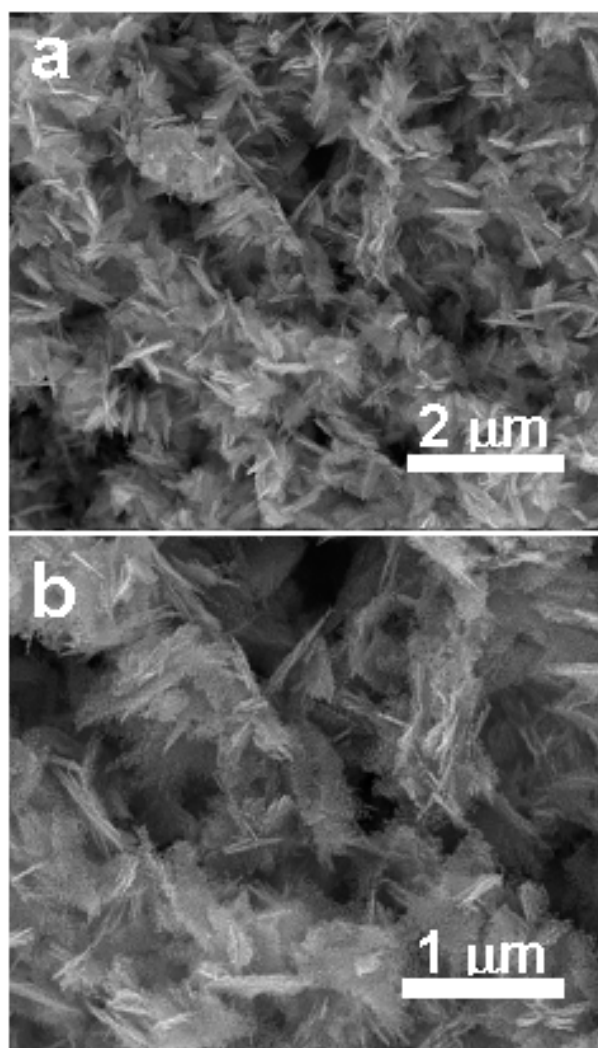
**Figure S1.** XRD patterns of (a) the precursor hydrozincite  $Zn_5(OH)_6(CO_3)_2$ . NOTE: for simplicity, only major diffraction peaks were indexed. (b) the three samples.



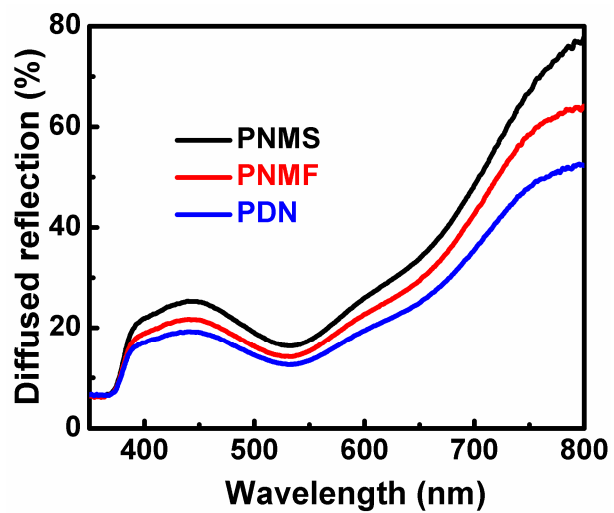
**Figure S2.** TG curves of the precursor hydrozincite  $Zn_5(OH)_6(CO_3)_2$ .



**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.