Electronic Supplementary Material (ESI) for Energy and Environmental Science

A Double-layered Photoanode Made of Highly Crystalline TiO_2 Nanoctahedra and Agglutinate Mesoporous TiO_2 Microspheres for High Efficiency Dye Sensitized Solar Cell

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Electronic Supplementary Information

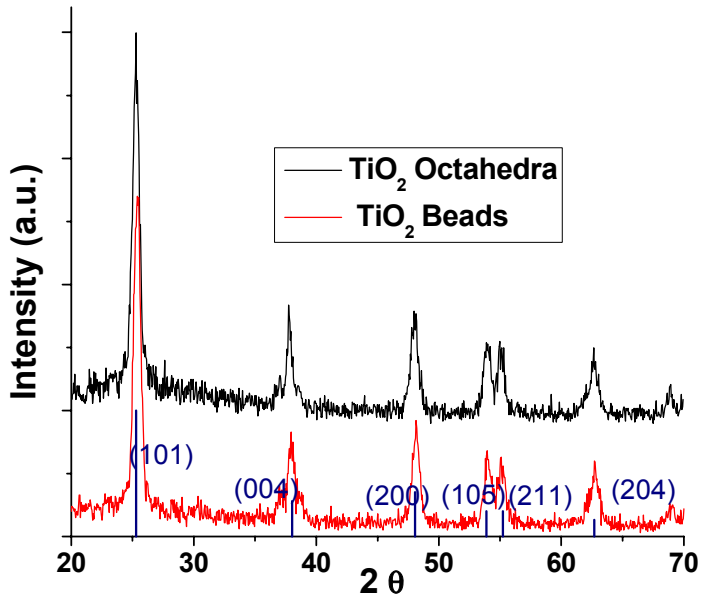
Fig. S1. XRD patterns of TiO_2 nanooctahedra and hierarchical microspheres.

Fig. S2. Infrared spectrum of as prepared nanooctahedra

Fig. S3. Pore size distribution of the TiO_2 microspheres determined by BJH adsorption.

Fig. S4. Photographs of the four TiO_2 films (from left to right): nanooctahedra, P25 nanoparticles, double layer, and microspheres.

Fig. S5. SEM image showing cracking defects of a mesoporous single layered nanooctahedra film.



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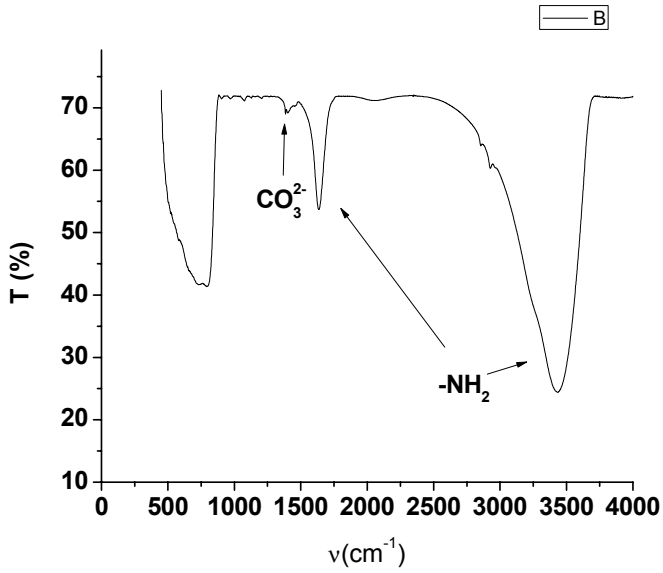
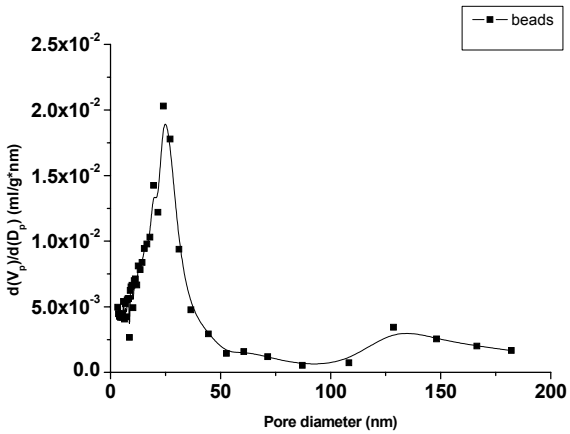


Fig. S2. Infrared spectrum of as-prepared nanooctahedra.



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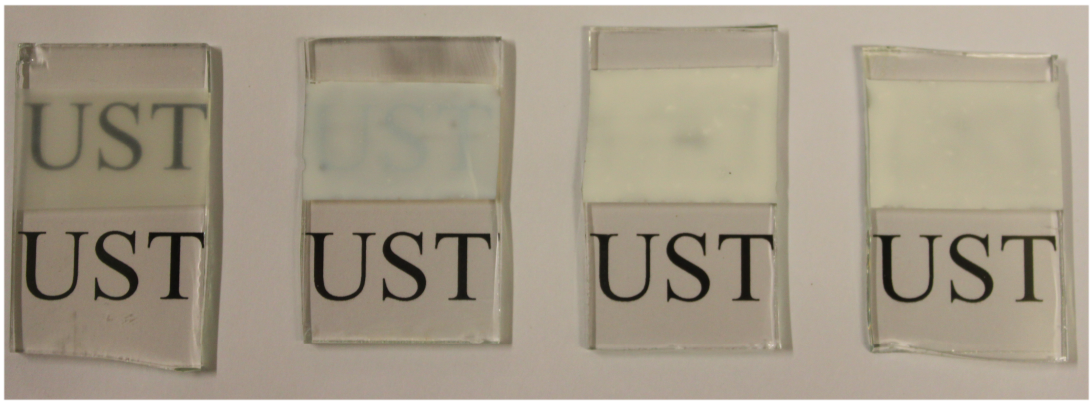

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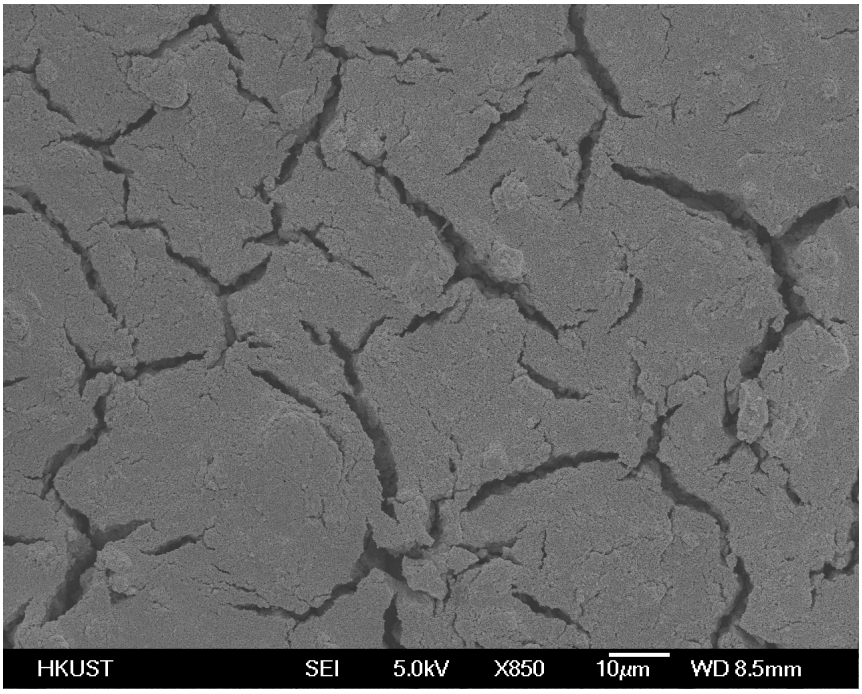

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