Electronic Supplementary Information

Electrochemically Reduced Graphene Porous Material as Light Absorber for Light-Driven Thermoelectric Generator

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1. XPS of GO and electrochemical reduced CCG

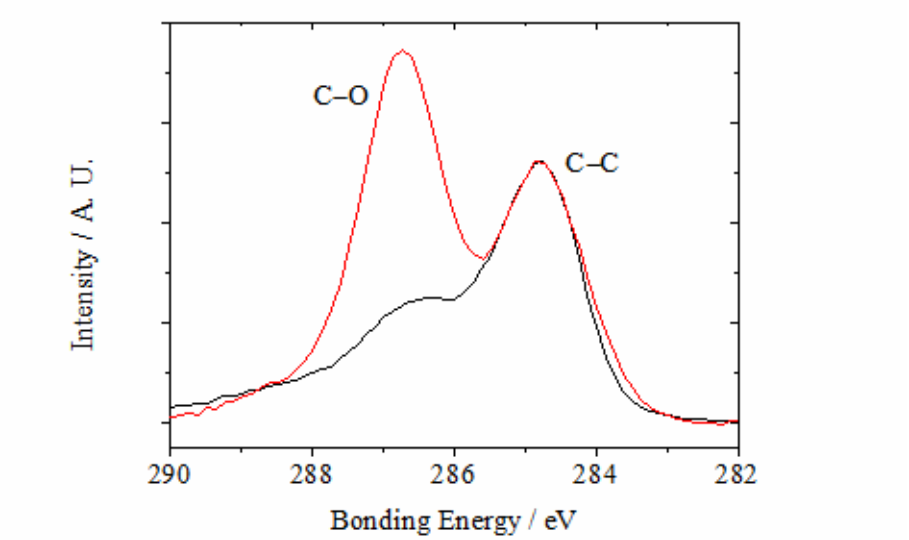

Fig. S1 C 1s peak in XPS of GO (red) and electrochemical reduced CCG (blank).

After reduction, The C−O component was reduced significantly. Some residual oxygen may results from incomplete reduction of GO or the absorbed GO in highly porous surface of reduced CCG.

2. SEM images of CCG film.

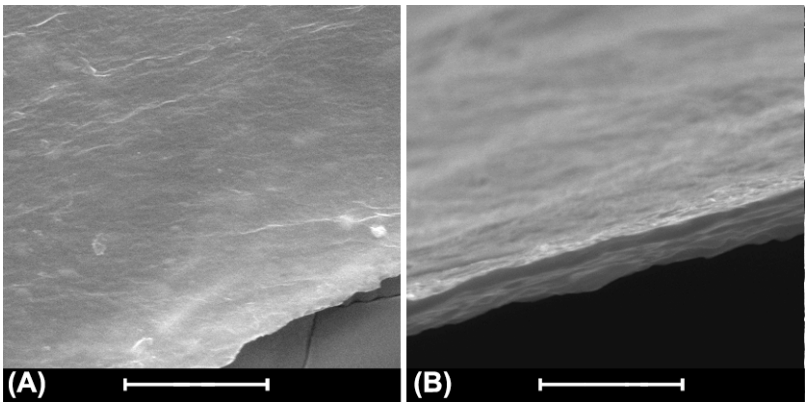

Fig. S2 SEM images of CCG film prepared by drying CCG50 in air. (A) Top view; (B) side view. Scale bar: (A) 10 μm, (B) 5 μm.

Form both image it can be observed that the CCG film is smooth and compact. The thickness of the film is measured to be 1.4 μm.