

Supplementary Information

Nanographite/polyaniline composite films as the counter electrodes for dye-sensitized solar cells

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The acid-treated nanographites (NGs) were well-dispersed in an aqueous solution at a concentration of 1 mg mL⁻¹. This solution was further connected to a spray nozzle and a nitrogen gas cylinder controlled at a constant pressure of 10 psi. Then, the solution was deposited onto a FTO substrate by spraying while keeping the FTO substrate at 400 °C on a hot plate. The distance between the outlet of the spray nozzle and the surface of the FTO substrate was maintained at 0.1 m.

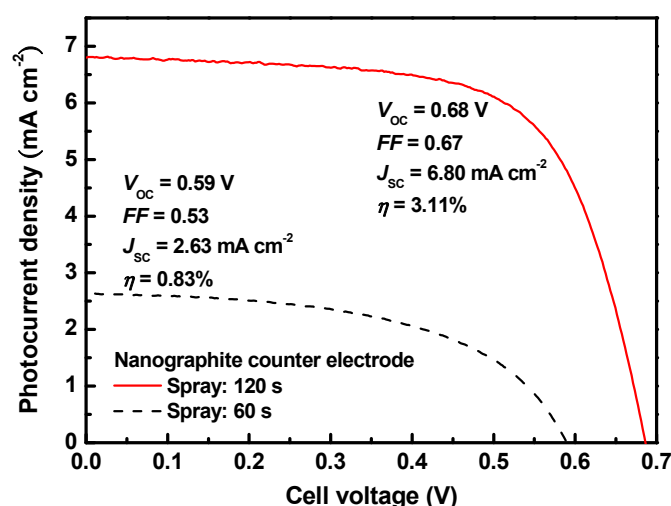


Fig. S1 Photocurrent-voltage (I - V) characteristics of DSSCs fabricated by the NG counter electrodes with the spray-deposition times of 60 and 120 s at 100 mW cm⁻² illumination and their corresponding photovoltaic parameters.