High Photo-Currents with a Zwitterionic Thiocyanate-Free Dye in Aqueous-Based Dye Sensitized Solar Cells

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Scheme S1: Structures of the dyes used.

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Figure S1: Cyclic (upper) and differential pulse (lower) voltammograms (0.1 M LiClO₄) in acetonitrile scan for T169 as anchored on 7 µm TiO₂ film.

Figure S2: Absorbance changes in C106 (black-triangles) and T169 (red-circles) dyed titania films (7 µm) in 20 mL buffer solution at pH = 5.0 over time monitored at 530 nm.

References:

H and C NMR of DS
H NMR of T169.