Supplementary Material (ESI) for Energy & Environmental Science # This journal is (c) The Royal Society of Chemistry 2011



Fig. 1S. Optical constants of Cu₂O substrates measured by spectroscopic ellipsometry in the spectra range of interest.



Fig. 2S. The absorbance spectra for CH_3CN solution that contained 20 mM LiClO₄, 0.4 mM Me₁₀CoCp₂⁺ and 0.04 mM Me₁₀CoCp₂, which was diluted with CH₃CN by a factor of 50 relative to the solution used in the spectral response measurements.