Electronic Supplementary Material (ESI) for Energy & Environmental Science

Supporting Information

Photo-induced Charge Transfer Dynamics in Efficient TiO_2/CdS/CdSe Sensitized Solar Cells

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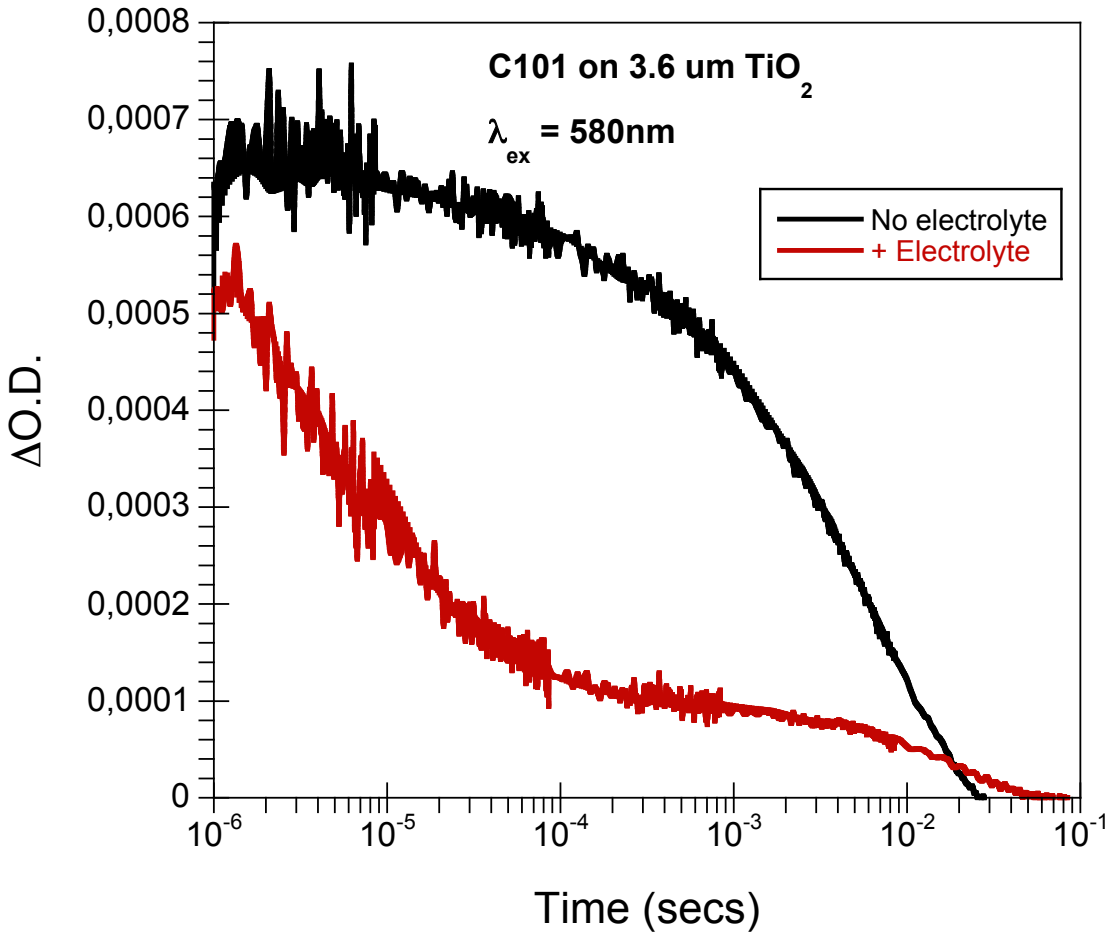

Figure S1. Transient absorption kinetics for a 3.6 μm TiO_2 film sensitized with the Ru(II)polypyridal dye **C101** recorded at 800 nm following excitation at 580nm in the absence (black) and presence (red) of iodide/tri-iodide redox electrolyte in 85:15 acetonitrile:valenonitrile. This dye is discussed in more detail in Nazeeruddin et al. (J. Am. Chem. Soc., 2005, 127, 16835-16847)

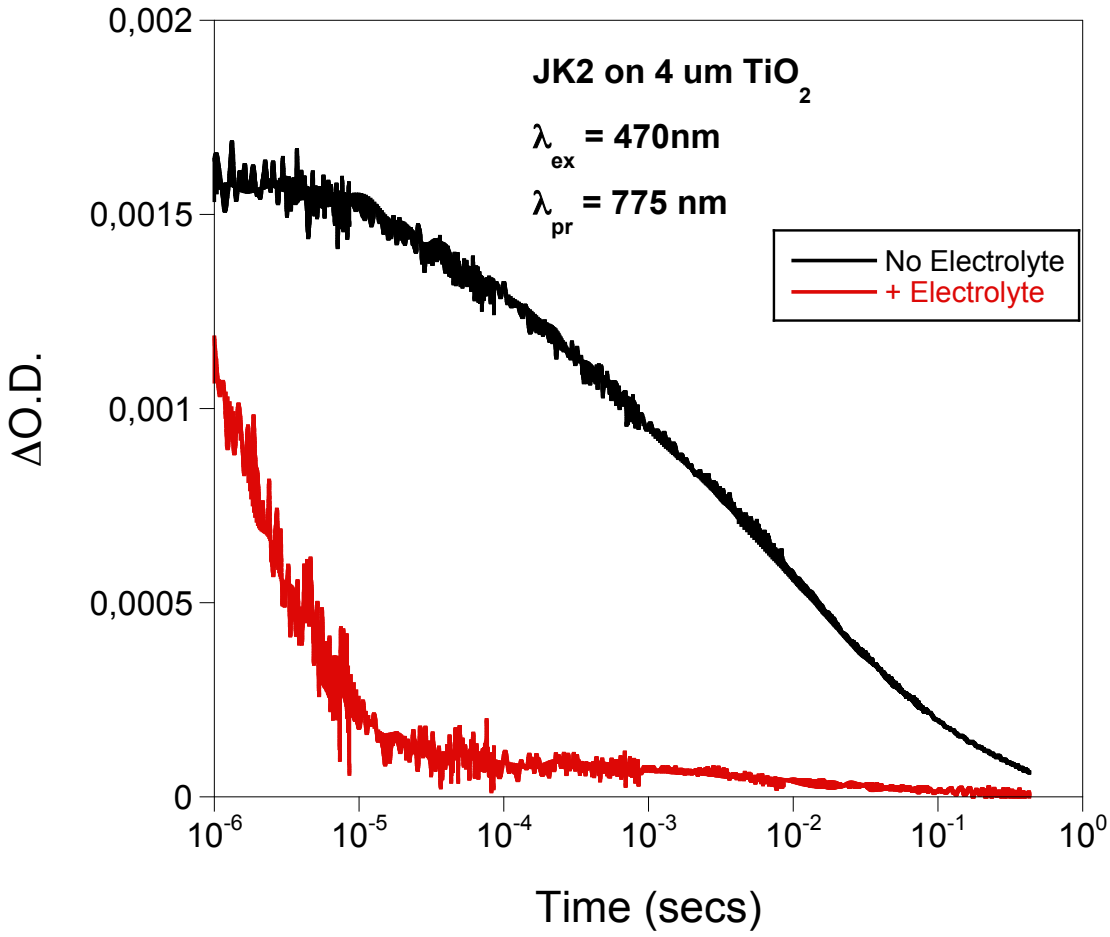

Figure S2. Transient absorption kinetics for a 4 μm TiO_2 film sensitized with the organic dye **JK2** recorded at 775 nm following excitation at 470nm in the absence (black) and presence (red) of iodide/tri-iodide redox electrolyte in acetonitrile. This dye is discussed in more detail in Choi et al. (Ang. Chem. Int. Ed., 2008, 47, 8259-8263)