

Supermolecular-Chromophore-Sensitized Near-Infrared-to-Visible Photon Upconversion [Journal of the American Chemical Society 2010, 132, 14203–14211 DOI: 10.1021/ja105510k]. Tanya N. Singh-Rachford, Animesh Nayak, Maria L. Muro-Small, Sèbastian Goeb, Michael J. Therien,* and Felix N. Castellano*

Pages 14208 and 14210. The transient absorption data in Figures 2b and 5 and Supporting Information Figures S8 were incorrect, resulting in an erroneous long wavelength ³PDI^{*} extinction coefficient and triplet—triplet annihilation rate constant. Figure 2b presents how the $T_1 \rightarrow T_n$ absorption from anthracene centered at 420 nm sensitizes the ³PDI^{*} excited state with time through the energy transfer method. The inset replaces Figure S8, which was used to calculate the ³PDI^{*} extinction coefficient at 600 nm [ε_T (PDI, 600 nm) = 5630 M⁻¹ cm⁻¹]. This, in conjunction with the new Figure 5, determines the revised ³PDI^{*} – ³PDI^{*} annihilation rate constant, $k_{TT} = (2.1 \pm 0.2) \times 10^8 \text{ M}^{-1} \text{ s}^{-1}$. The conclusions of the article have not changed in light of these revisions. We thank Dr. Fabian Spaenig



Figure 2b. Transient absorption difference spectra of ³PDI* sensitized by anthracene in deaerated MTHF at several delay times, $\lambda_{ex} = 355$ nm, 1 mJ/pulse. The inset shows decay of triplet anthracene at 420 nm and the corresponding growth of the ³PDI* at 600 nm. The solution contained 80 μ M anthracene and 20 μ M PDI with an optical path length of 0.5 cm. Delay times after the laser pulse are specified.

for realizing the original error and Ms. Valentina Prusakova for providing the **PDI** sample used in this manuscript correction.

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Figure 5. (Left) Time-resolved single wavelength absorption kinetics of the decay of ³PDI* after sensitization by anthracene in deaerated MTHF monitored at 600 nm and measured as a function of the laser fluence at 355 nm. (Right) Representative kinetic fit at 1.5 mJ/pulse to eq 4 (green line) and the residuals of this fit (red line). Using this fit in conjunction with the associated ³PDI* extinction coefficient at 600 nm yields a ³PDI*-³PDI* annihilation rate constant of 2.1×10^8 M⁻¹ s⁻¹.