

Supporting Information

Stimuli-responsive protection of optically excited triplet ensembles against deactivation by molecular oxygen

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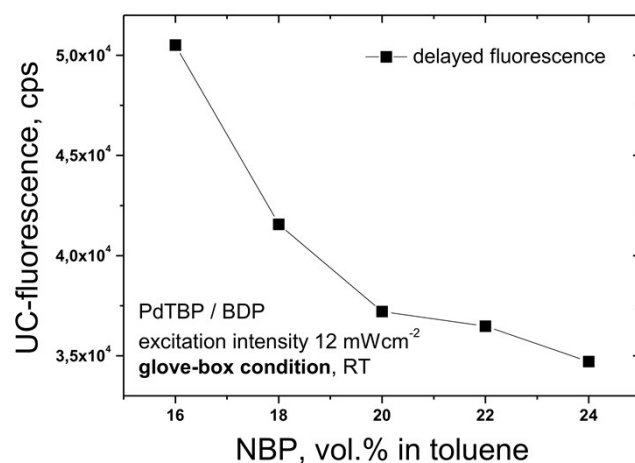


Fig. S1. Dependences of the UC-signal at the fluorescence maximum ($\lambda = 526$ nm, the blue squares) on the amount of protective solvent – NBP. Experimental conditions: excitation intensity – 12mWcm^{-2} ; samples prepared and sealed in nitrogen filled glove box (4 ppm O_2), temperature – 25°C ; HeNe laser; concentration of sensitizer (PdTBP) and emitter (BDP), are 1×10^{-5} M / 2×10^{-4} M, respectively. The line is guide to the eye.

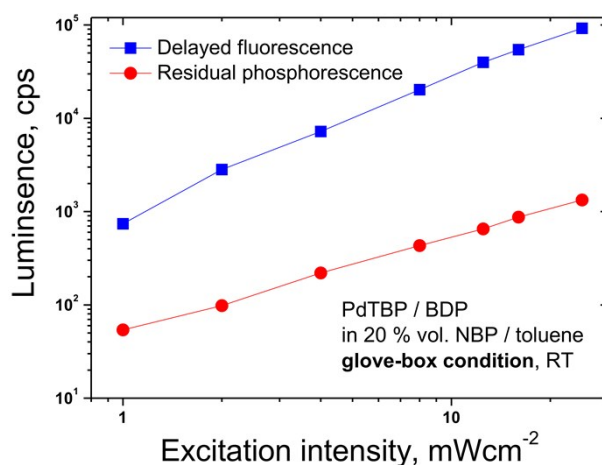


Fig. S2. Dependences of the UC-signal at the fluorescence maximum ($\lambda = 526$ nm, the blue squares) and the residual phosphorescence ($\lambda = 800$ nm, the red circles) on the excitation intensity. Experimental conditions: samples prepared and sealed in nitrogen filled glove box (4 ppm O_2), temperature – 25°C ; HeNe laser; concentration of sensitizer (PdTBP) and emitter (BDP), are 1×10^{-5} M / 2×10^{-4} M, respectively. The lines are guide to the eye.