SUPPORTING INFORMATION

Safranine-T Triplet-State Quenching by Modified Silica Nanoparticles.

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Figure S1: TEM images and EDS spectrum of NP.

Figure S2: $^{29}$Si solid state NMR for NP
Figure S3: XPS spectrum of NP.

Figure S4: Laser flash photolysis spectra obtained from Ar-saturated 8.1 × 10⁻⁶ M safranine-T solutions containing 0.288 M benzyl alcohol taken at: 2 (●), 5 (○), 10 (▲), 20 (△), 50 (■) and 75 µs (□) after the laser shot (λ_{exc} = 532 nm).
Figure S5: Laser flash photolysis spectra obtained from Ar-saturated 8.1 × 10^{-6} M safranine-T solutions containing 0.219 M 4-methoxybenzyl alcohol taken at: 2 (●), 5 (○), 10 (▼), 20 (△), 50 (■), and 75 µs (□) after the laser shot (λ_{exc} = 532 nm).

Figure S6: Linear dependence of the reciprocal of the $^3\text{SH}^+$ lifetime ($\tau^{-1}$) vs. [DMB]. The dashed lines show the 95% confidence interval.
Figure S7: $E^0 (X^+/X)$ vs. $\sigma_p$ for substituted N,N-dimethylanilines in acetonitrile.