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Supporting Information

Excited-state intramolecular proton transfer and conformational relaxation in 4′-*N*,*N*-dimethylamino-3-hydroxyflavone doped in acetonitrile crystals

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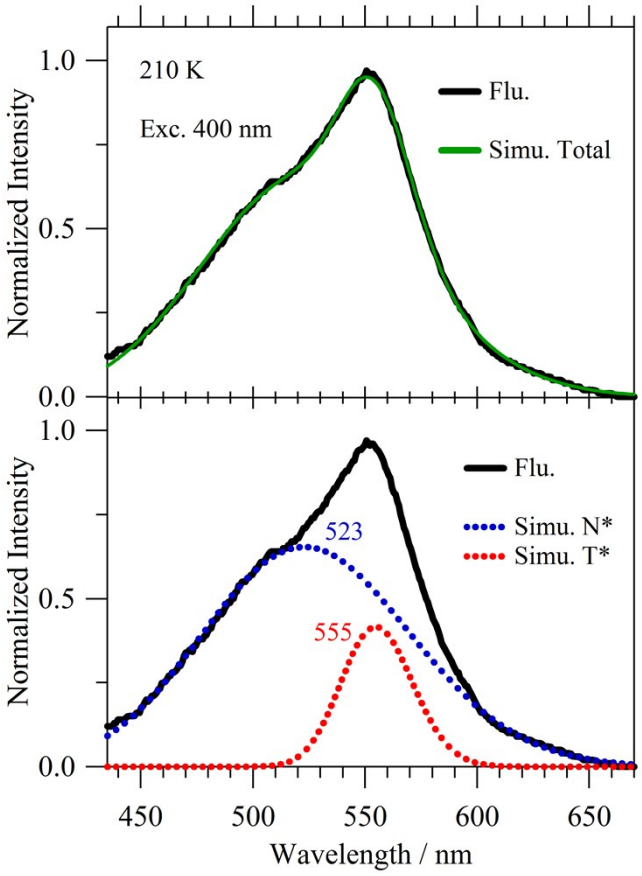

Fig. S1 Uncorrected fluorescence spectrum at 210 K (green solid line in upper panel) and simulated spectrum (green solid line in upper panel) obtained by fitting with two log-normal functions for the N* (blue dotted line) and T* (red dotted line) emission bands. Exc. is excitation, Flu. is fluorescence and Simu. is simulated.

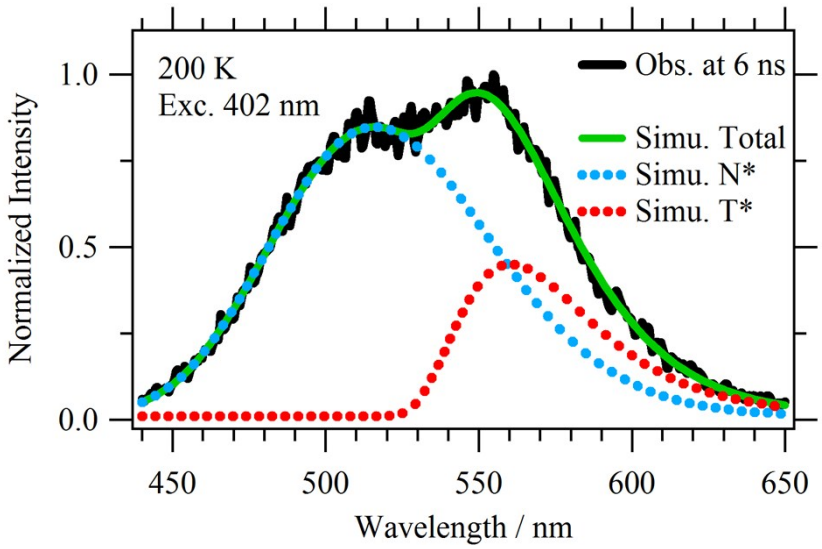

Fig. S2 Uncorrected fluorescence spectrum measured at 200 K (black solid line) and simulated spectrum (green solid line) obtained by fitting with two log-normal functions for the N* (blue dotted line) and T*(red dotted line) emission bands. Exc. is excitation, Obs. is observed, and Simu. is simulated.

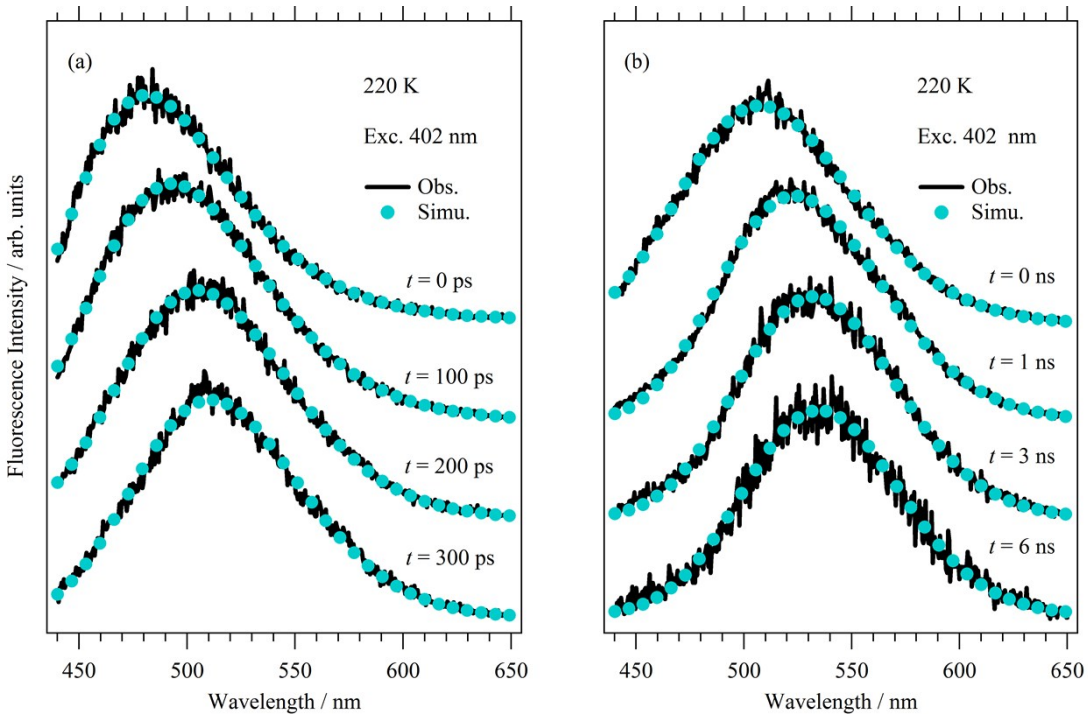

Fig. S3 Uncorrected fluorescence spectra measured at 220 K (black solid line) measured by exciting at 402 nm in the range of 0–300 ps (Fig. S3a) and those in the range of 0–6 ns (Fig. S3b). Simulated spectra (blue dotted lines) were obtained by fitting with a log-normal function for the N* and T* emission bands. Obs. and Simu. indicate observed and simulated, respectively.