

Supporting Information

Tunable solid-state photoluminescence based on proton-triggered structural transformation of 4,4'-bipyridinium derivative

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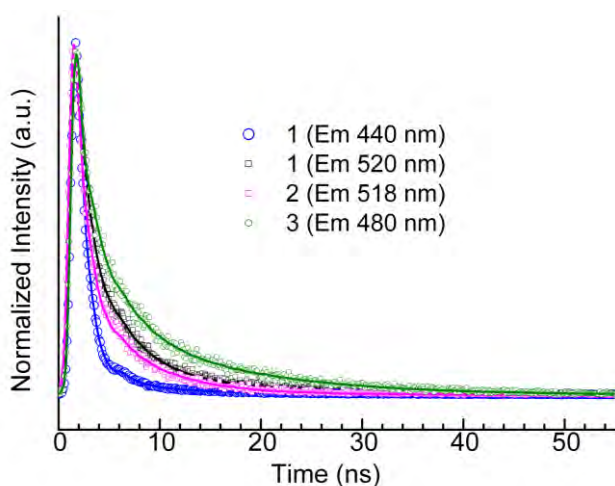


Fig. S1 Luminescence decay curves for compounds 1-3 at ambient temperature. The solid lines are the best fits of experimental data based on the multiexponential functions ($I = A + B_1e^{-t/\tau_1} + B_2e^{-t/\tau_2} + B_3e^{-t/\tau_3}$).

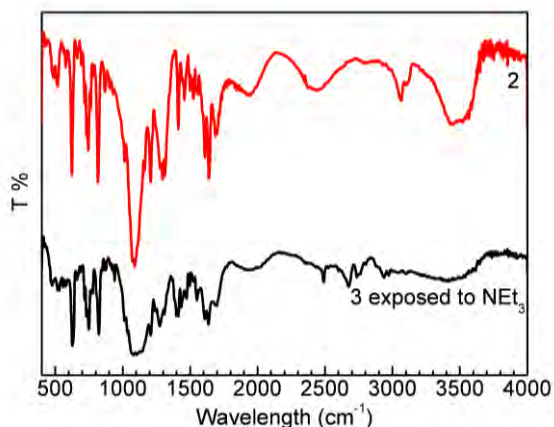


Fig. S2 IR spectra show the structural transformation when crystal **3** is exposed to NEt₃ vapor.

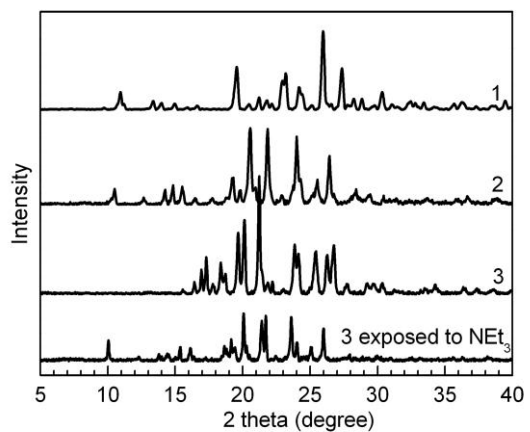


Fig. S3 A comparison of the experimental PXRD patterns of the crystal **3** exposed to NEt₃ vapor with those of compounds **1-3**.