Supporting Information

Enhanced Electroluminescence Efficiency Using Reverse Intersystem Crossing Induced by Strong Triplet Fusion of Rubrene as a Sensitizer

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Supporting Figures:

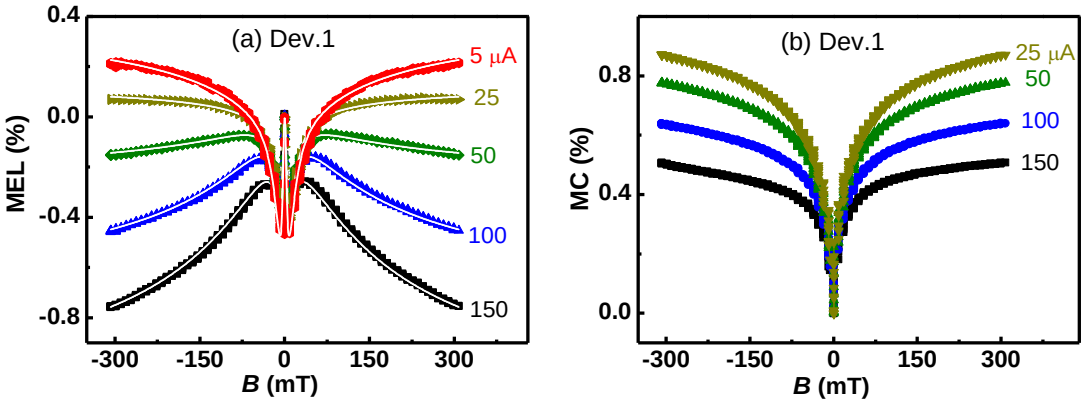

Figure S1 (a, b) Current-dependent MEL and MC experimental curves of Dev.1 at room temperature, respectively. The white solid lines are the fitted curves from Dev.1.

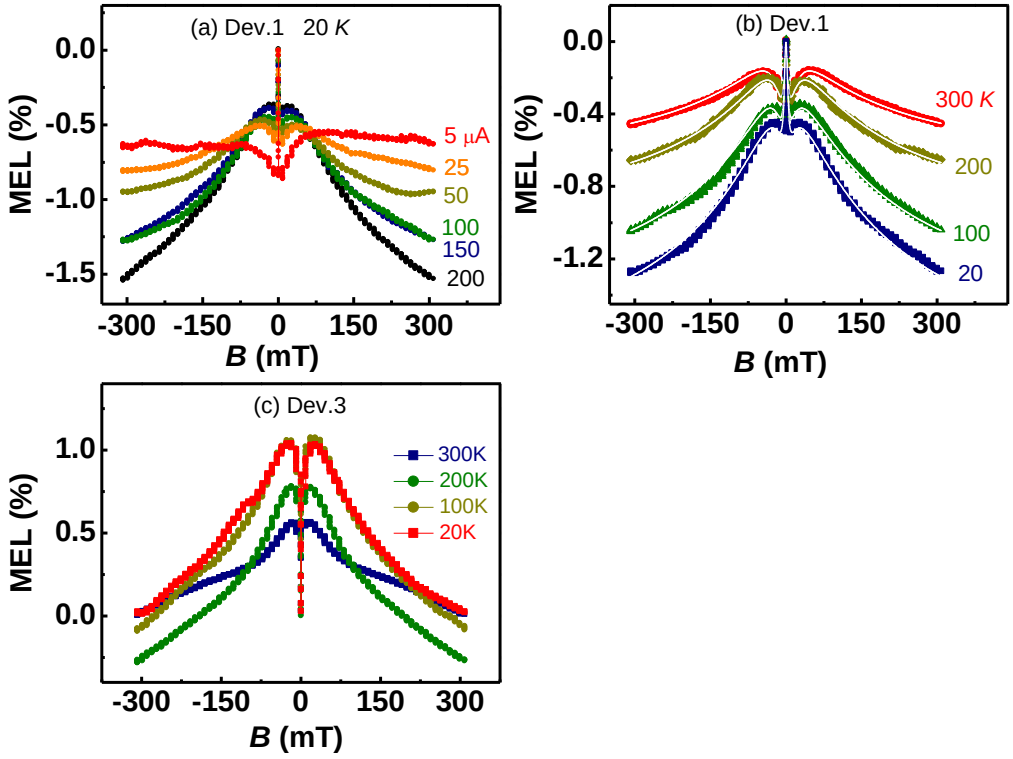

Figure S2 (a) Current-dependent MEL experimental curves at 20K. (b) Temperature-dependent MEL experimental curves at 100 μA. The white solid lines are the fitted curves from Dev.1. (c) Temperature-dependent MEL curves at 100 μA in Dev.3.

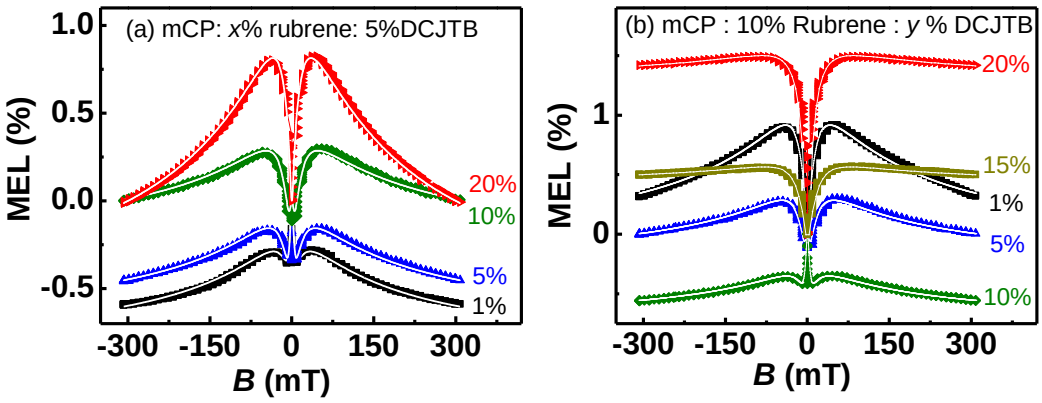

Figure S3 (a, b) Rubrene and DCJTB Concentration-dependent MEL experimental curves of Dev.1 (mCP: *x*% rubrene: *y*% DCJTB), respectively. The white solid lines are the fitted curves.

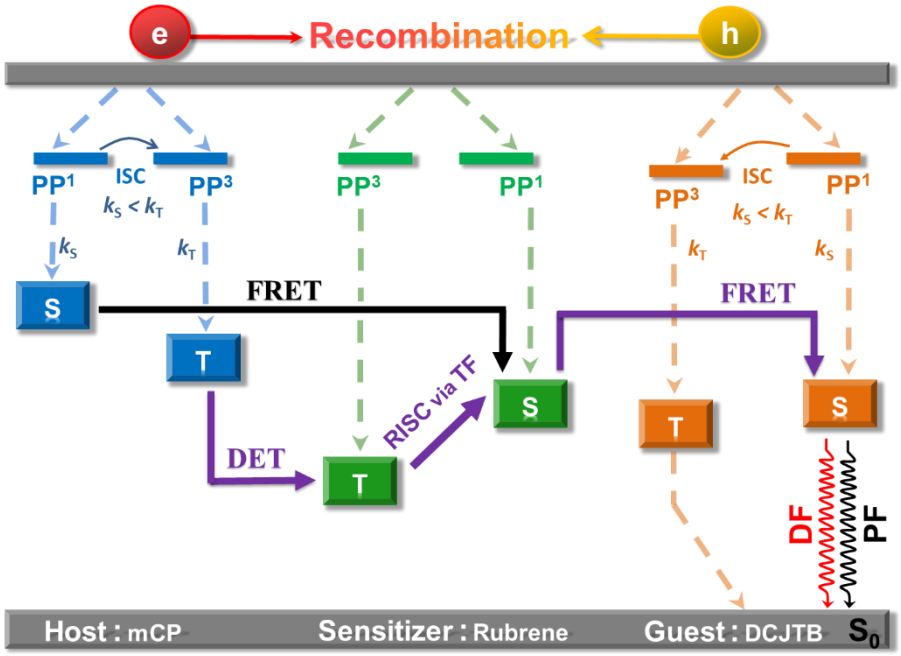

Figure S4 Schematic diagram of spin-pair states in Dev. 1 with the high DCJTB doping concentration.