



Showcasing research from Professor Zexing Qu's laboratory, College of Chemistry, Jilin University, Changchun, China.

Mesomerism induced temperature-dependent multicomponent phosphorescence emissions in CIBDBT

The existence of two mesomerism structures belonging to the same triplet state was demonstrated. The structures were found to emit two phosphorescence bands simultaneously and balance well the distribution of excitons for multicomponent emissions, which has the advantage of obtaining the pure white light along with a stable CIE coordinate at room temperature.

As featured in:



See Zexing Qu, Jilong Zhang, Zhongjun Zhou *et al.*, *Chem. Sci.*, 2023, **14**, 10096.