

The Solid-state Packing Studies of Pt(II) Chromophore by X-ray Diffraction

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Abstract

Pt(II) metal complexes are known to exhibit strong solid-state aggregation and are promising for realization of organic light emitting diodes with nondoped emitter layer. All are the characteristic by the metal-metal to ligand charge transfer (MMLCT). To study the Pt to Pt distance of complex, we identify the structures by X-ray diffraction. And we reconstruct electron density map of Pt(II) complex with X-ray diffraction data.

Key word: Pt(II) complex, X-ray diffraction, electron density map