Supplementary Material (ESI) for Dalton Transactions

Electronic Supplementary Information

Near-UV Phosphorescent Emitters: *N*-Heterocyclic Platinum(II) Tetracarbene Complexes

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[#] X-ray analysis

Photostability measurements of complexes 3bb and 3bf

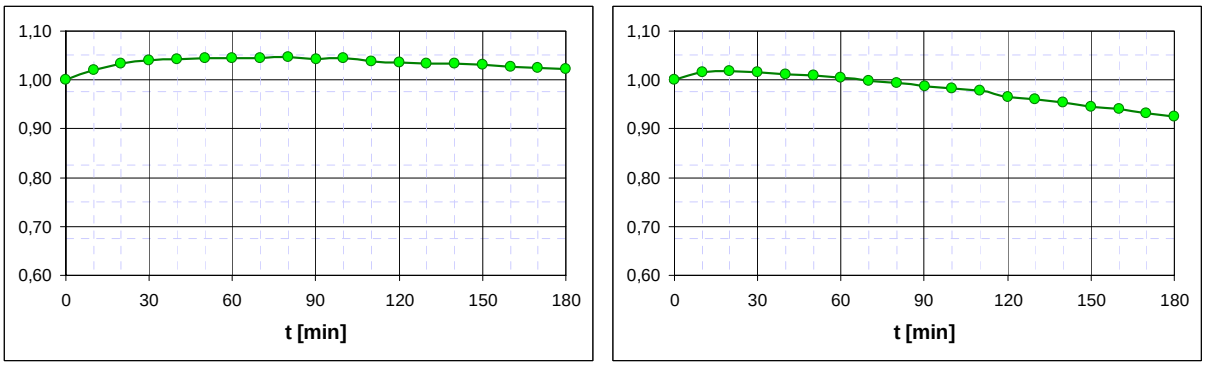

Fig. S-1. Photostability of complexes a) **3bb**[27] and b) **3bf**. Complex **3bb** doped 2% in pva on qs, excitation wavelength λ_{exc}=325 nm, radiant exposure under N_2 [1.91 mW]; complex **3bf** doped 2% in pva on qs, excitation wavelength λ_{exc}=307 nm, radiant exposure under N_2 [1.03 mW].

Luminescence decay lifetimes, radiative and non-radiative constants of complex 3bb

decay lifetimes		**radiative**	**non-radiative constant**
τ_1 = 0.74 µs (2 % PVP)	→	kr_1 = 0.333 µs;	knr_1 = 0.407 µs
τ_2 = 2.94 µs (2 % PVP)	→	kr_2 = 1.323 µs;	knr_2 = 1.617 µs
τ_3 = 11.62 µs (2 % PVP)	→	kr_3 = 5.229 µs;	knr_3 = 6.391 µs;