

Optimizing White Light Emission in Dy(III) Complexes: Impact of Energy Transfer from Mono and Bidentate Ligands on Luminescence

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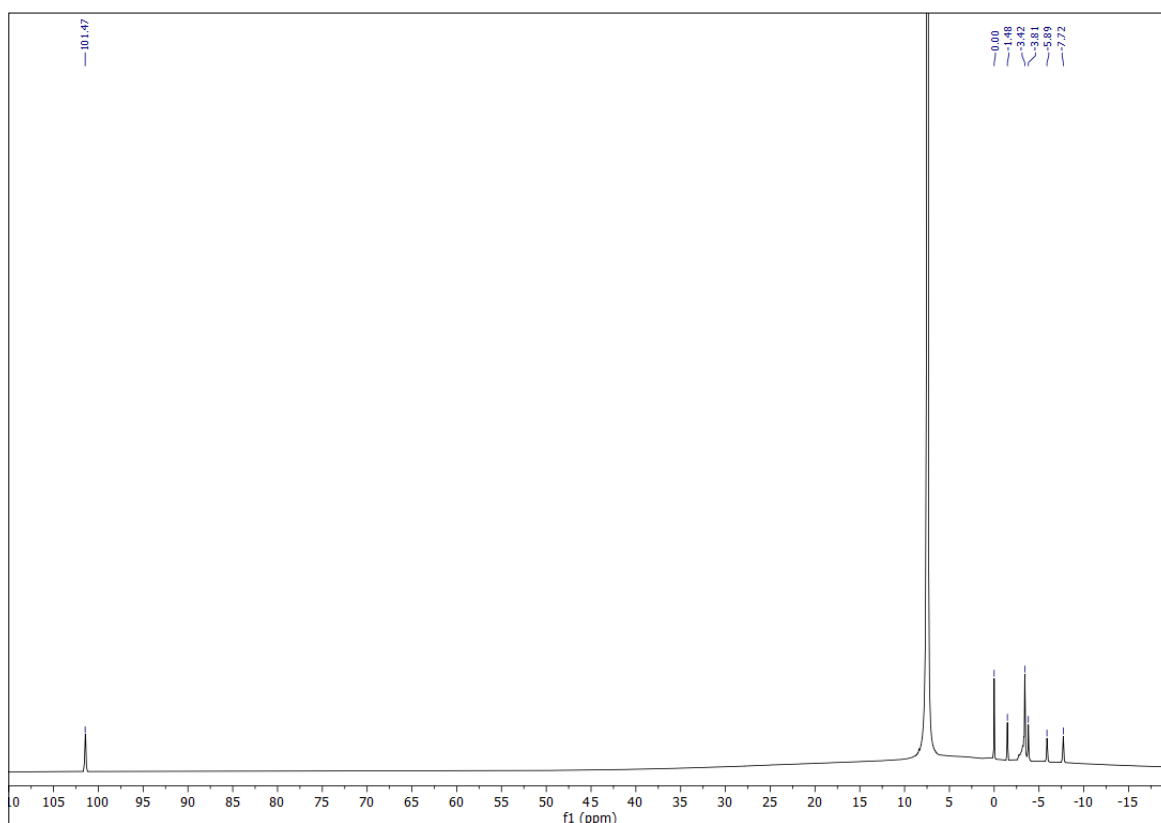


Fig. S1 ¹H NMR spectrum of Dy1

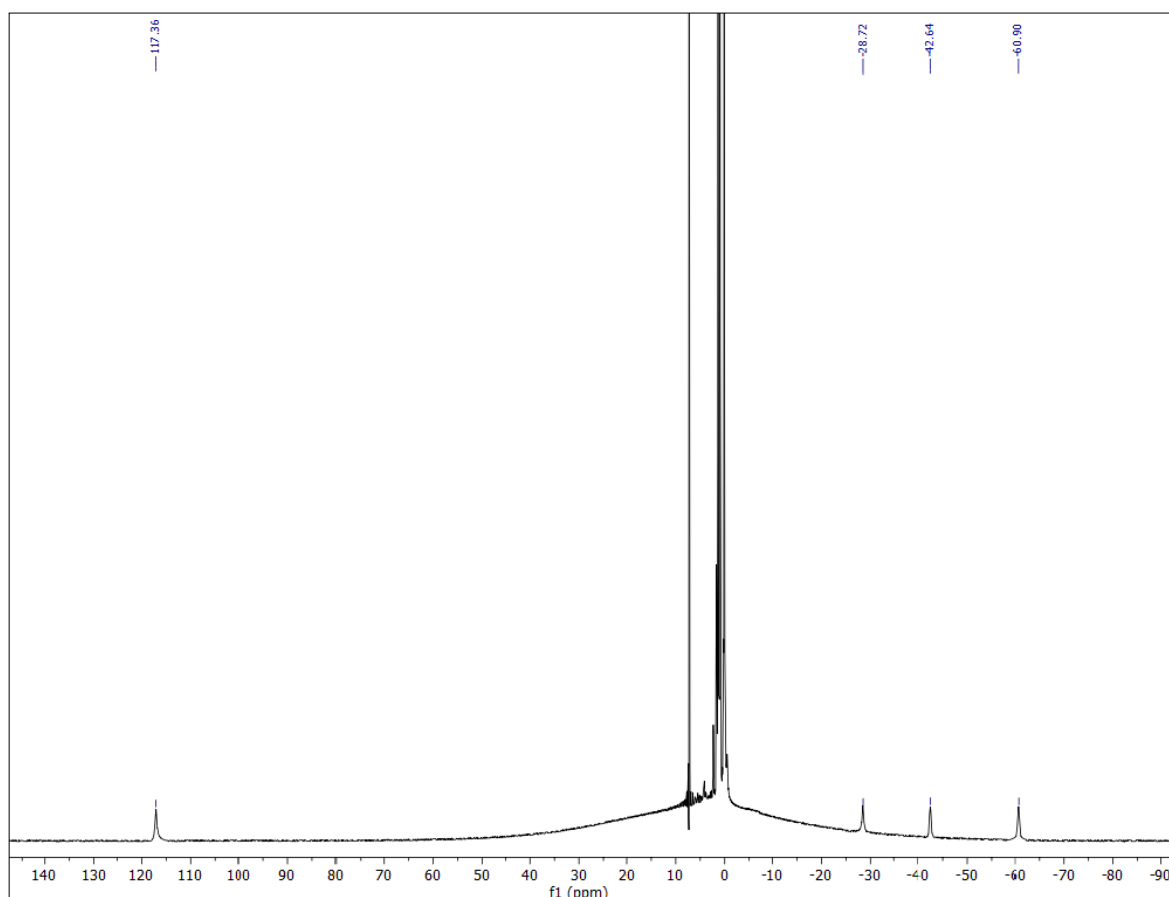


Fig. S2 ^1H NMR spectrum of Dy2

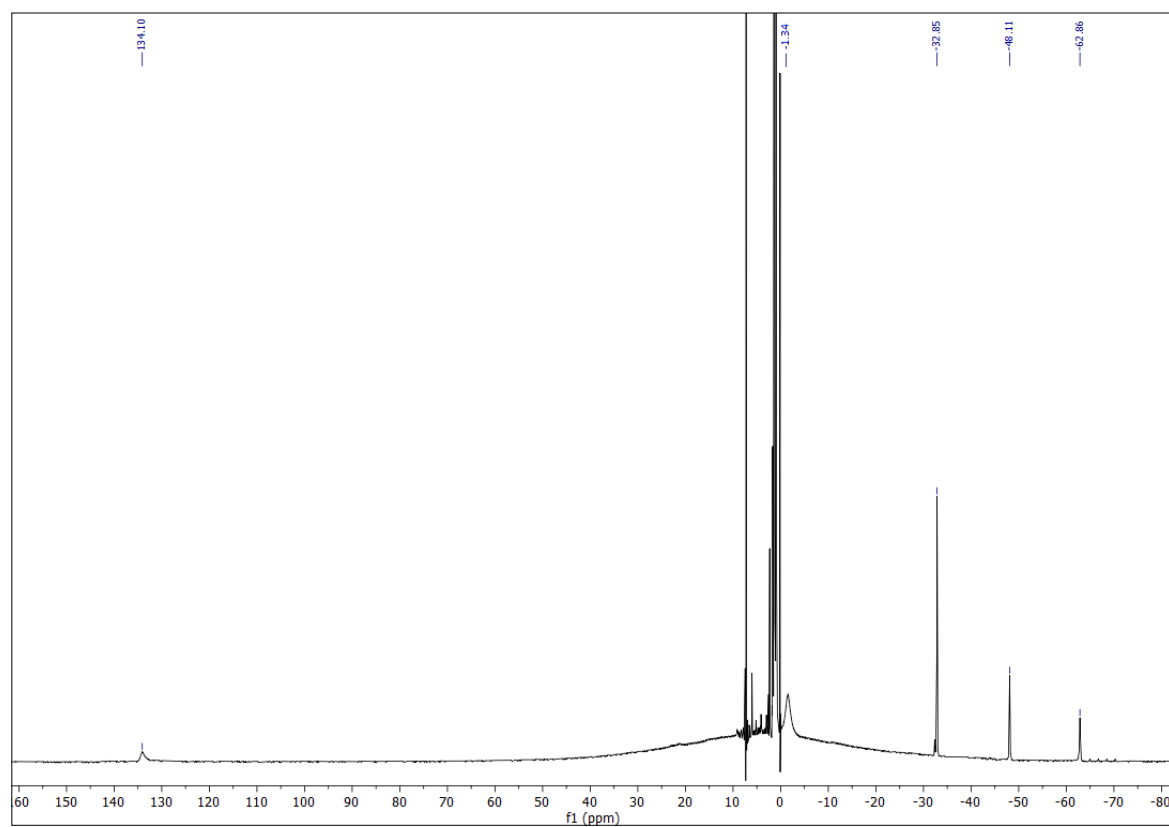


Fig. S3 ^1H NMR spectrum of Dy3

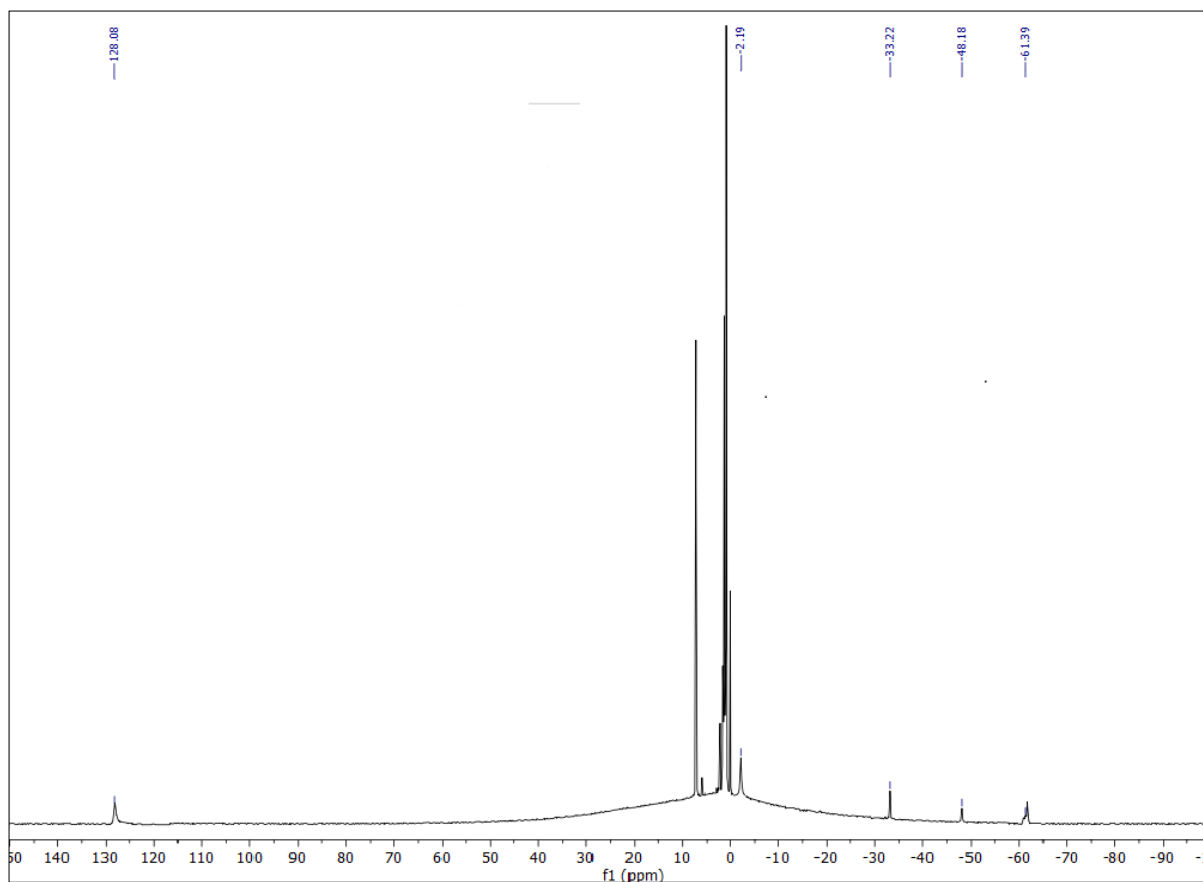


Fig. S4 ¹H NMR spectrum of Dy4

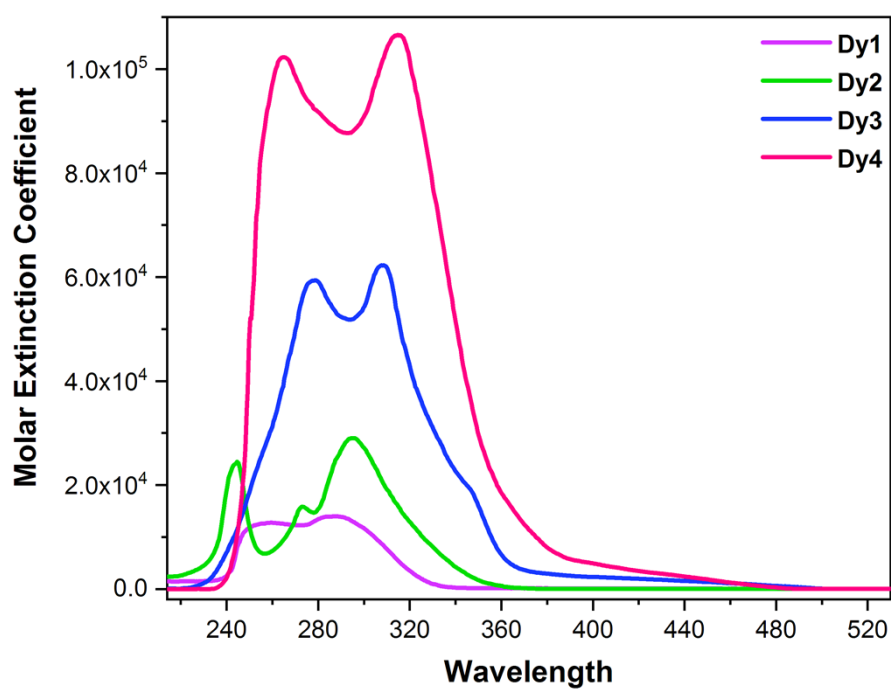


Fig. S5 UV-Vis spectra of the Dy1-Dy4

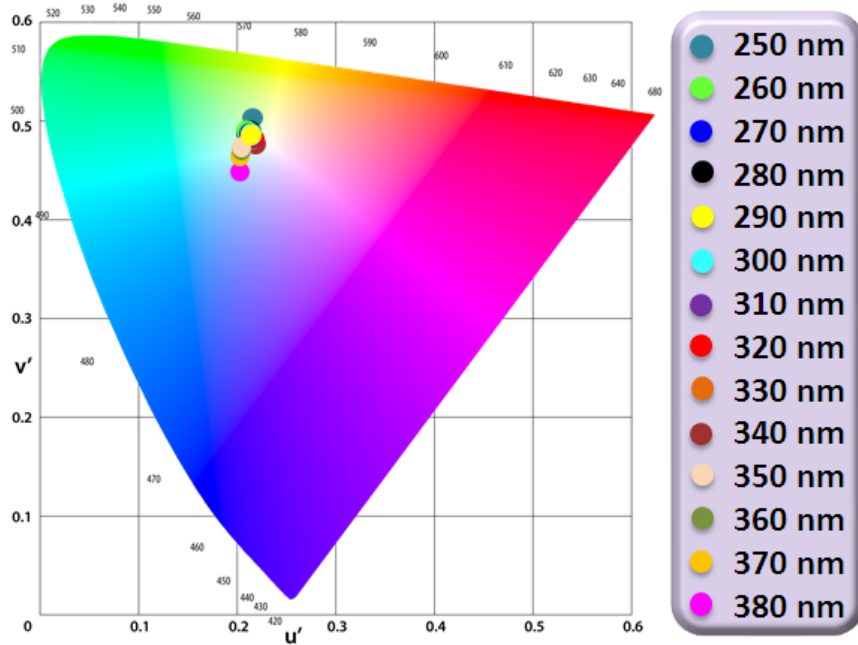


Fig. S8 CIE 1976 color coordinates for Dy³⁺ complex at different λ_{ex}

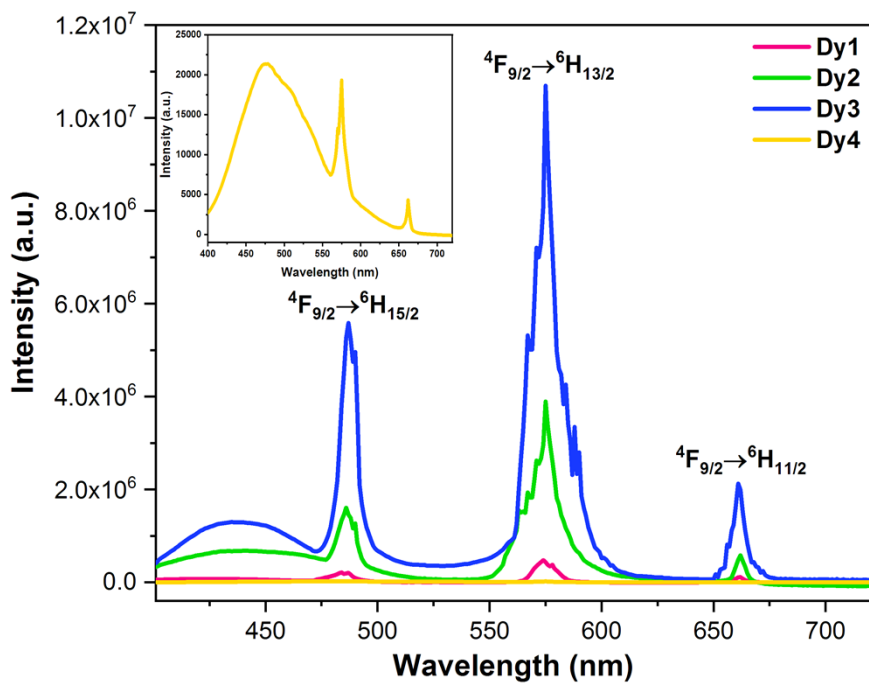


Fig. S7 Emission spectra of Dy1-Dy4 complexes

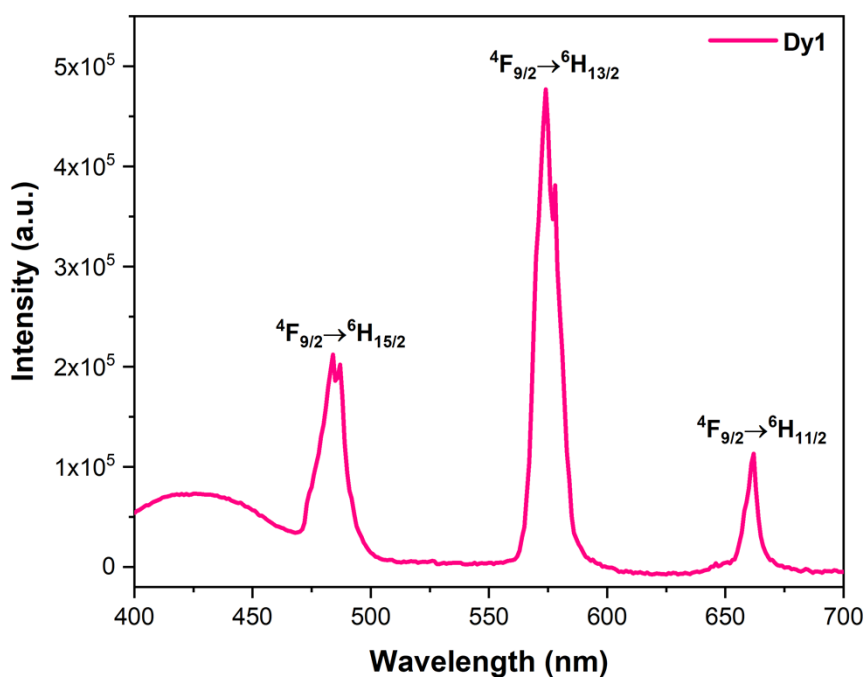


Fig. S8 Emission spectra of Dy1 complex

Table S1 Color Characteristics corresponding to Dy3 at different excitation wavelength (250 nm-380 nm)

Excitation Wavelength	(x, y)	(u', v')
250	(0.3651, 0.3868)	(0.2113, 0.5037)
260	(0.3560, 0.3744)	(0.2100, 0.4969)
270	(0.3545, 0.3714)	(0.2101, 0.4954)
280	(0.3545, 0.3714)	(0.2101, 0.4954)
290	(0.3537, 0.3690)	(0.2105, 0.4942)
300	(0.3552, 0.3712)	(0.2107, 0.4954)
310	(0.3540, 0.3684)	(0.2110, 0.4939)
320	(0.3542, 0.3684)	(0.2111, 0.4939)
330	(0.3519, 0.3648)	(0.2109, 0.4920)
340	(0.3515, 0.3614)	(0.2120, 0.4903)
350	(0.3433, 0.3566)	(0.2083, 0.4868)
360	(0.3402, 0.3510)	(0.2083, 0.4836)
370	(0.3189, 0.3200)	(0.2057, 0.4644)
380	(0.3008, 0.2846)	(0.2070, 0.4406)