

Fig. S1 Molecular structure of $[\text{Ru}(\text{phen})_2(\text{L1})]^+$ showing atomic numbering.

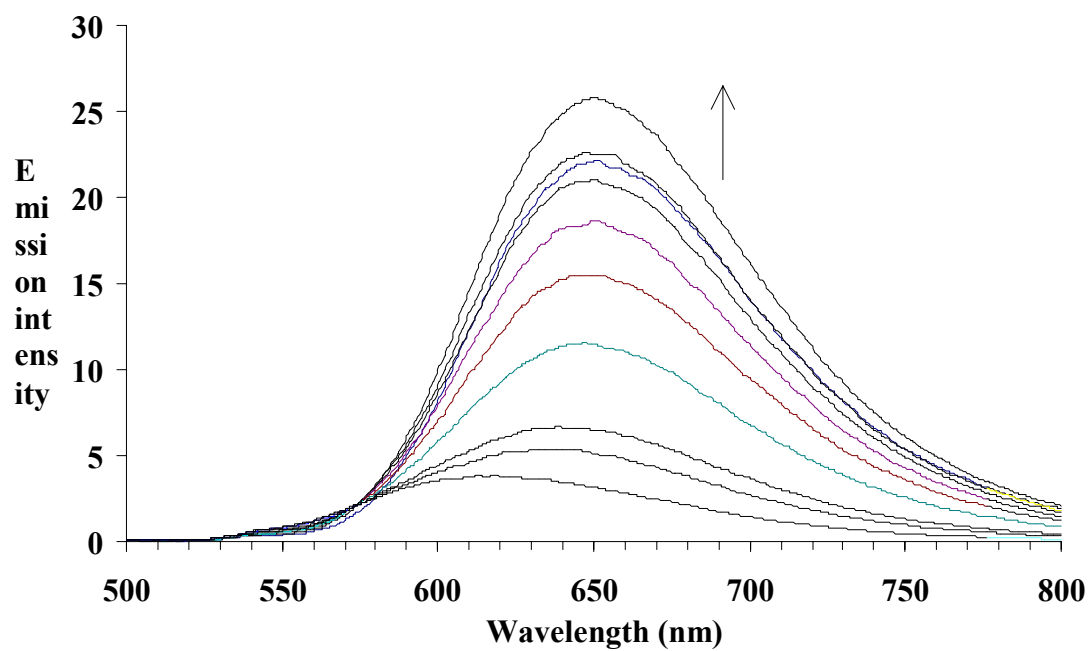


Fig. S2 pH dependence of the emission spectra of $[\text{Ru}(\text{phen})_2(\text{L2})]^+$ (5×10^{-5} M) in an aqueous Britton-Robinson buffer at pH 1.72, 2.11, 2.32, 2.84, 3.22, 3.53, 3.85, 4.11, 5.28 and 6.15.