Electronic supplementary material for "Highly Luminescent Ru(II) Metallopolymers; Photophysics and Electrochemistry in Solution and as Thin Films"

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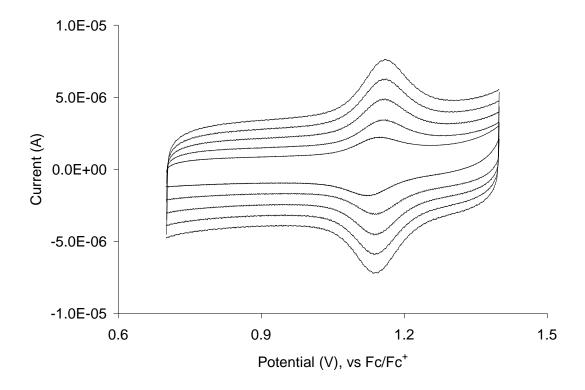


Fig S1: Cyclic voltammograms of a drop-cast thin film of $[Ru(bpy)_2(CAIP \text{ co-poly})_7]^{2+}$ on a glassy carbon working electrode (A = 0.0717 cm²) with 0.1 M HClO₄ in MeCN as electrolyte. Scan rates (from lowest) were 100, 200, 300, 400 and 500 mV.s⁻¹. The reference electrode was an Ag wire (+ 400 mV vs Fc/Fc⁺) and the counter electrode was a Pt wire.

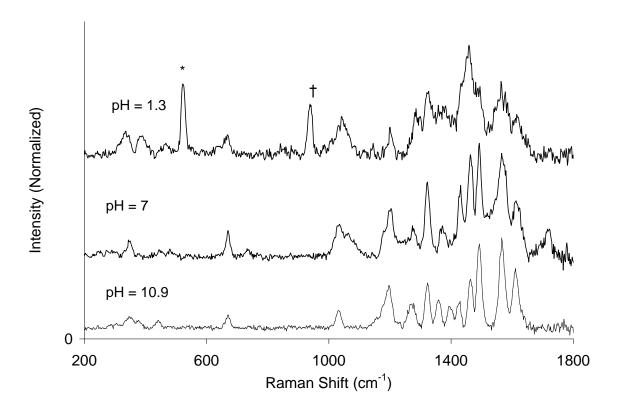


Fig S2: Resonance Raman spectra of thin films of $[Ru(bpy)_2(CAIP \text{ co-poly})_7]^{2+}$ in its various protonation states drop-cast onto silicon wafer under 488 nm irradiation. * silica mode; † HClO₄ mode.

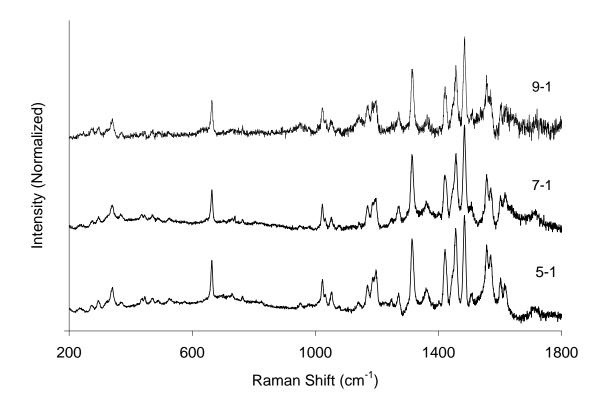


Fig S3: Resonance Raman spectra of all three metallopolymers under 458 nm irradiation.