

Supporting Information

Broad HOMO-LUMO gap tuning through the coordination of a single phosphine, aminophosphine, or phosphite onto a $\text{Ru}(\text{tpy})(\text{bpy})^{2+}$ core

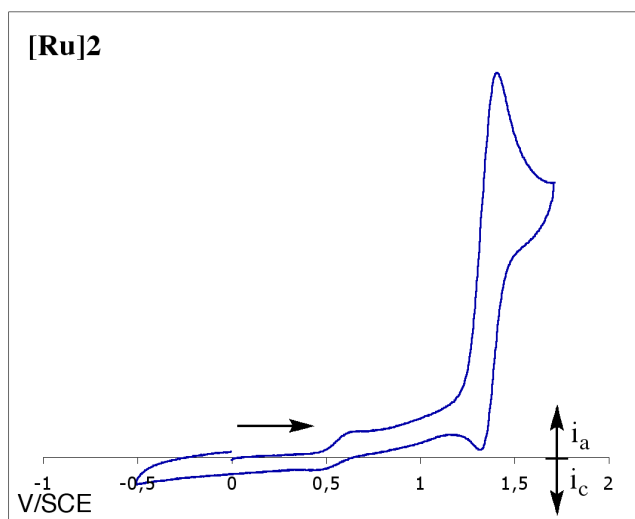
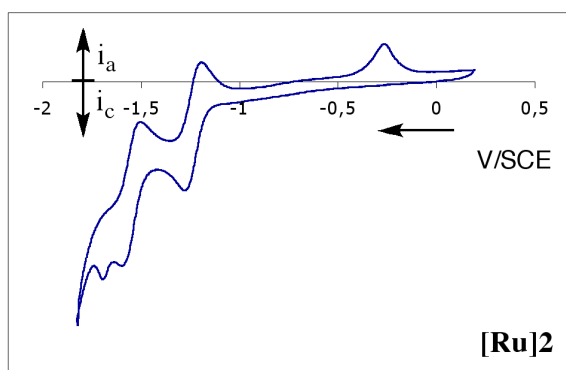
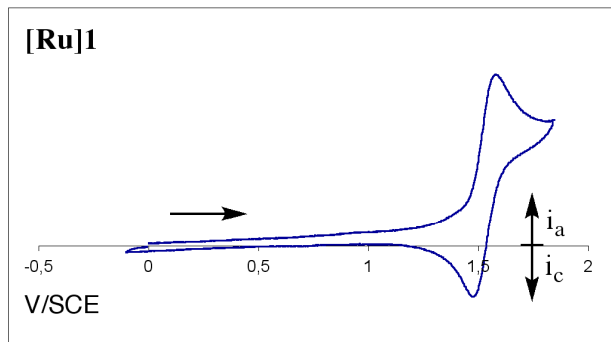
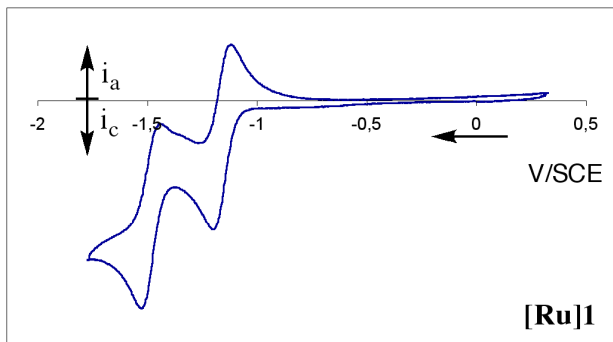
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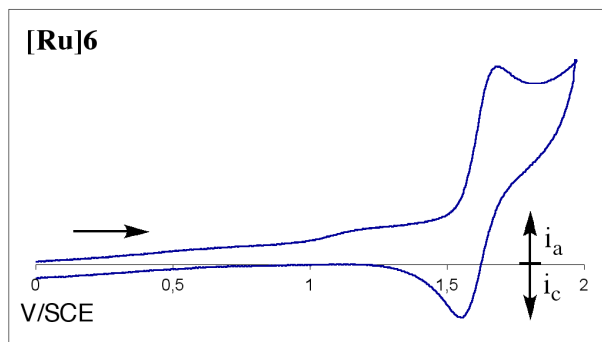
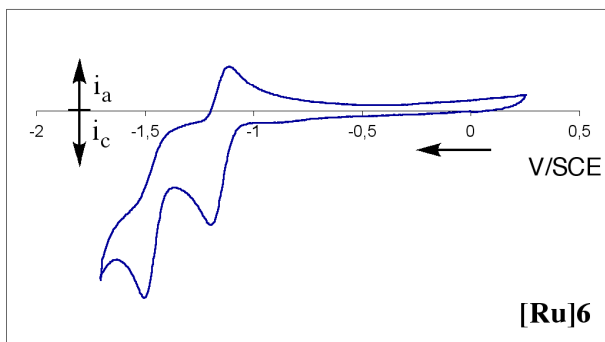
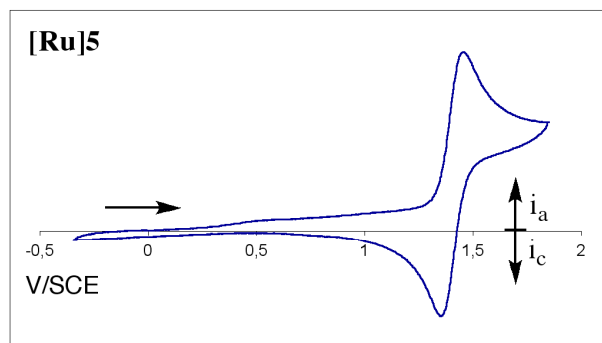
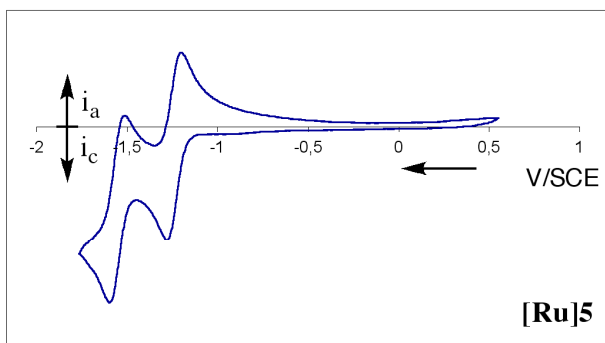
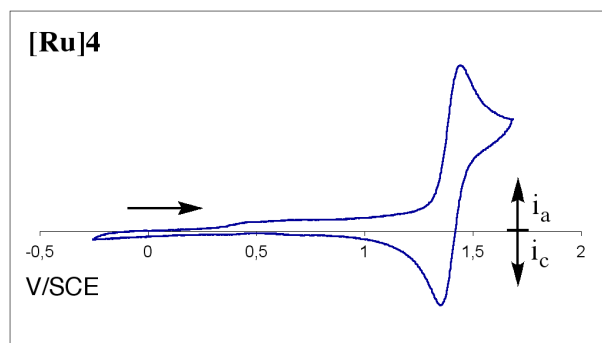
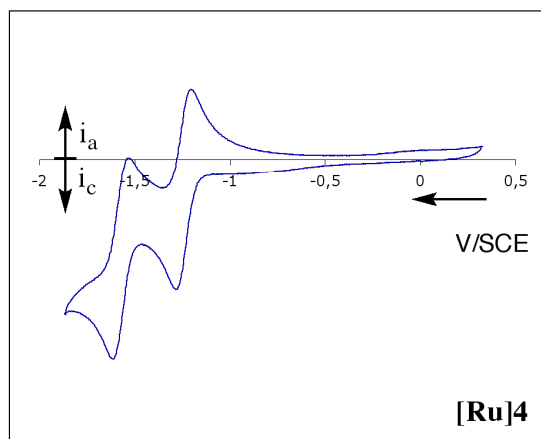
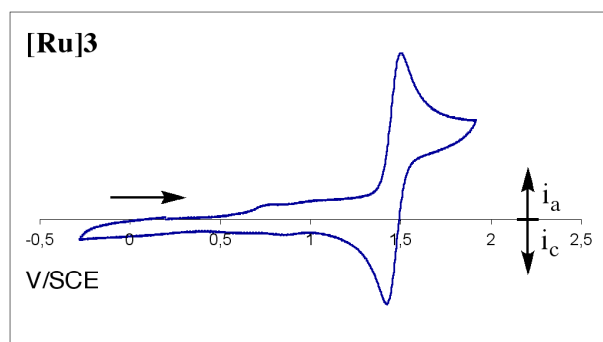
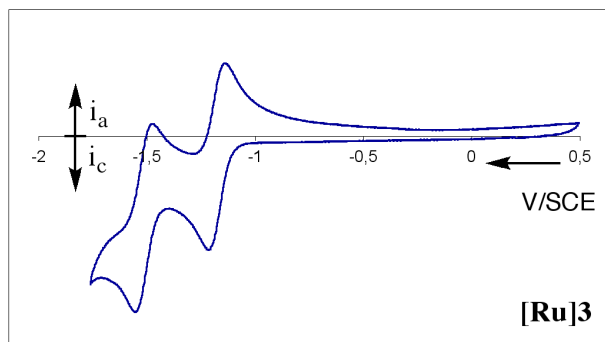
*Alberto Juris^{†**}*

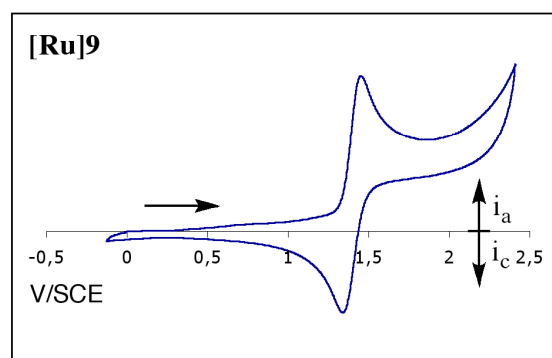
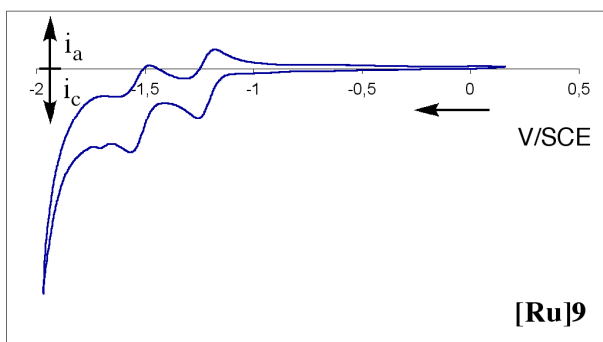
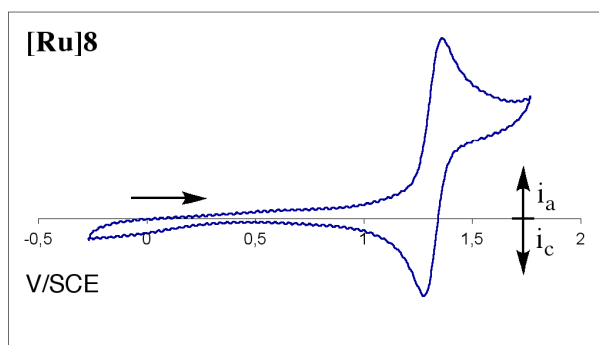
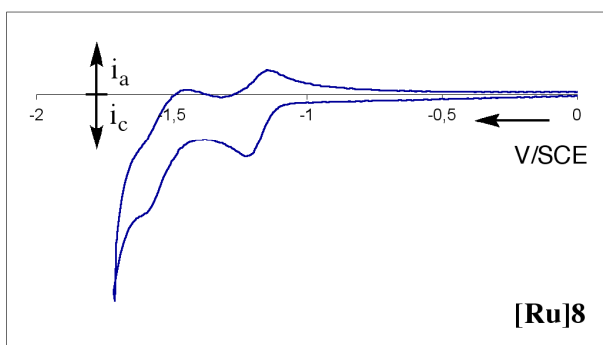
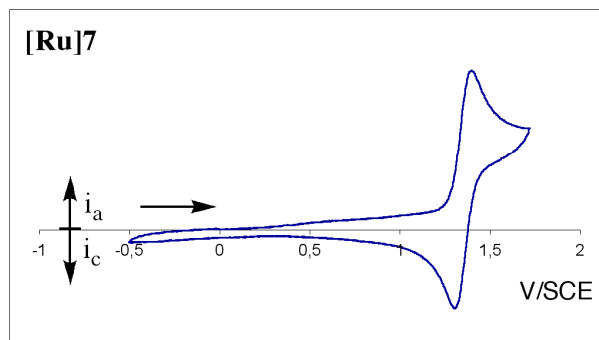
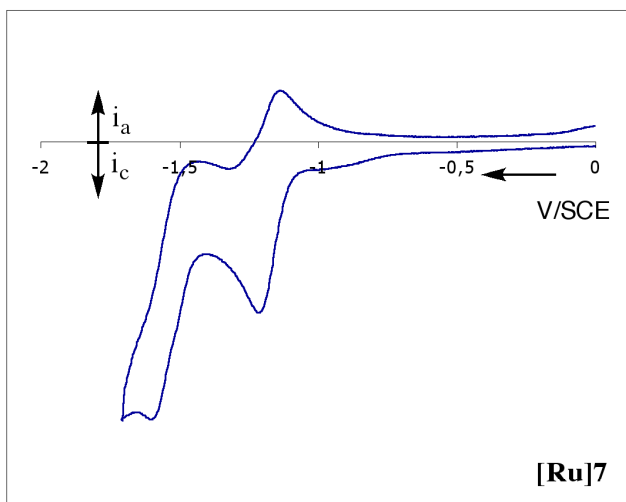
Cyclic voltammograms of complexes **[Ru]1-[Ru]9** page S1

Absorption and emission spectra of complexes **[Ru]1-[Ru]9** page S4

Cyclic voltammograms in acetonitrile solution for complexes **[Ru]1**-**[Ru]9**, at 100 mV.s⁻¹ scan rate, with n-Bu₄NPF₆ as supporting electrolyte, platinum working and counter electrodes and using the standard calomel electrode as reference. The arrow indicates the direction of the scan.







Absorption spectra (solid line) in acetonitrile solution at room temperature, and emission spectra (dashed line, arbitrary units) in EtOH/MeOH 1:4 v/v matrix at 77 K for complexes **[Ru]1**-**[Ru]9**.

