



Fig. S1 (Top) The cyclic voltammograms of $3.2 \mu\text{mol dm}^{-3}$ BFcPd_n in 0.1 mol dm^{-3} Bu₄NClO₄-CH₂Cl₂ at 0.1 V s^{-1} between -0.3 V and 0.9 V vs. Ag/Ag⁺ with 25 cyclic potential scans at an ITO electrode. (Bottom) The cyclic voltammograms of $3.2 \mu\text{mol dm}^{-3}$ BFcAu_n in 0.1 mol dm^{-3} Bu₄NClO₄-CH₂Cl₂ at 0.1 V s^{-1} between -0.3 V and 0.9 V vs. Ag/Ag⁺ with 25 cyclic potential scans at an ITO electrode where BFcPd_ns were pre-electrodeposited by the procedure described in the text.