

Terpyridine-tetrathiafulvalene hybrid ligands and their electroactive metal complexes

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Figure S1 : CV graph of ligand 1

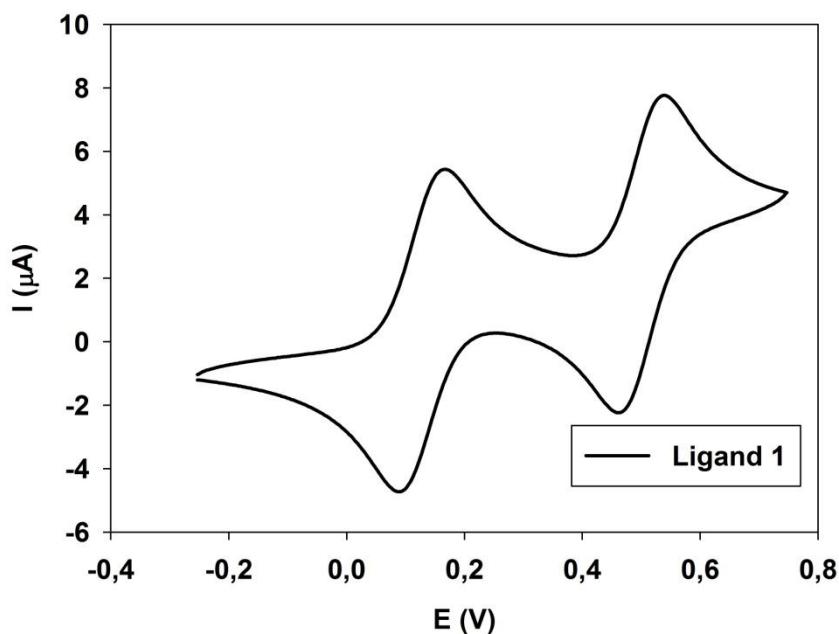


Figure S2 : UV-Vis titration of ligand **1** ($C = 2.5 \times 10^{-5}$ M) by $\text{Cd}(\text{ClO}_4)_2$ and $\text{Zn}(\text{ClO}_4)_2$ in DCM/ACN (1/1, v/v)

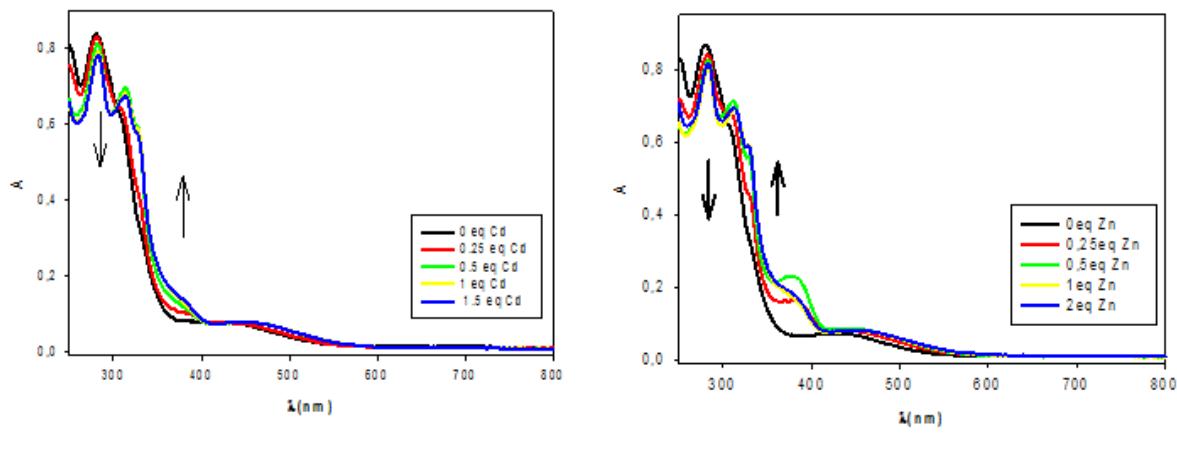


Figure S3 : UV-Vis titration of ligand **1** ($C = 2.5 \times 10^{-5} M$) by $\text{Fe}(\text{ClO}_4)_2$ in DCM/ACN (1/1, v/v)

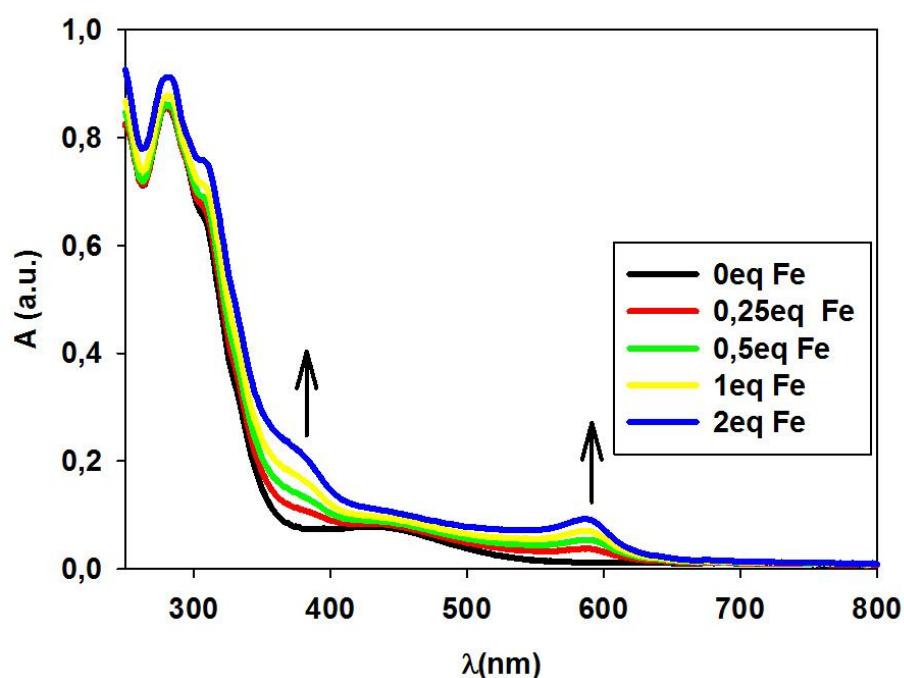


Figure S4: UV-Vis titration of ligand **2** ($C = 1.25 \times 10^{-5} M$) by $\text{Zn}(\text{ClO}_4)_2$ in DCM/ACN (1/1, v/v)

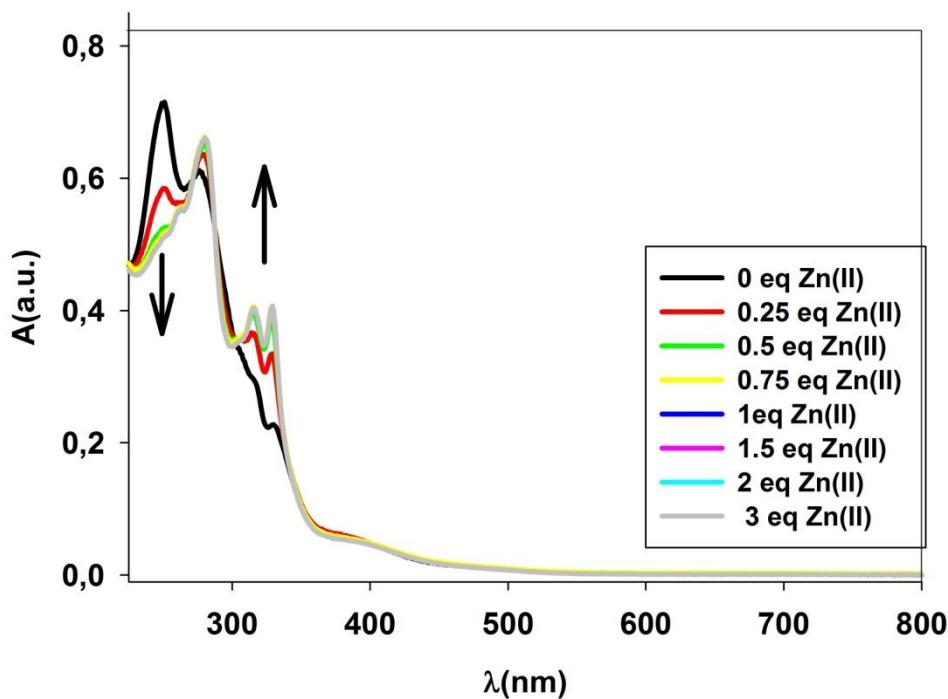


Figure S5: UV-Vis titration of ligand **2** ($C = 1.25 \times 10^{-5} M$) by $\text{Cd}(\text{ClO}_4)_2$ in DCM/ACN (1/1, v/v)

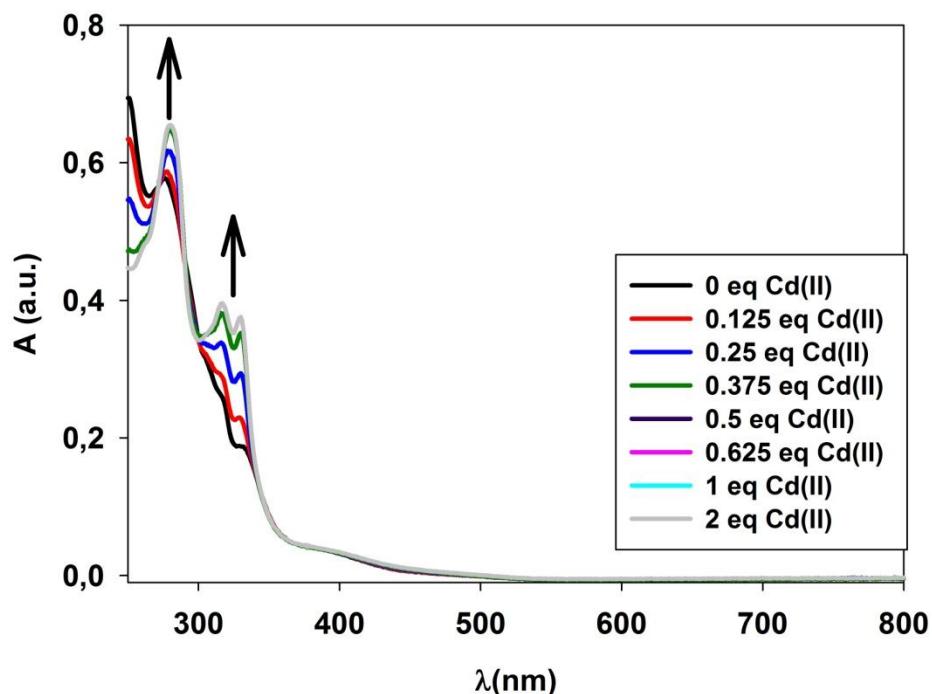


Figure S6: UV-Vis titration of ligand **2** ($C = 1.25 \times 10^{-5} M$) by $\text{Fe}(\text{ClO}_4)_2$ in DCM/ACN (1/1, v/v)

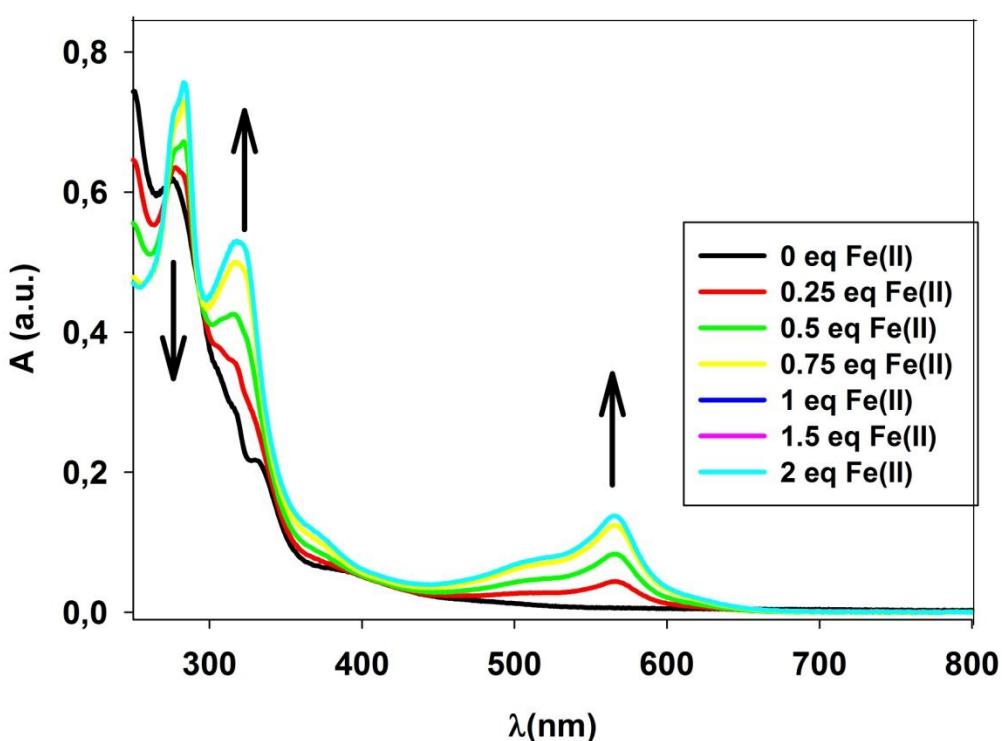


Figure S7: UV-Vis titration of ligand **2** ($C = 1.25 \times 10^{-5} M$) by $ZnCl_2$ in DCM/ACN (1/1, v/v)

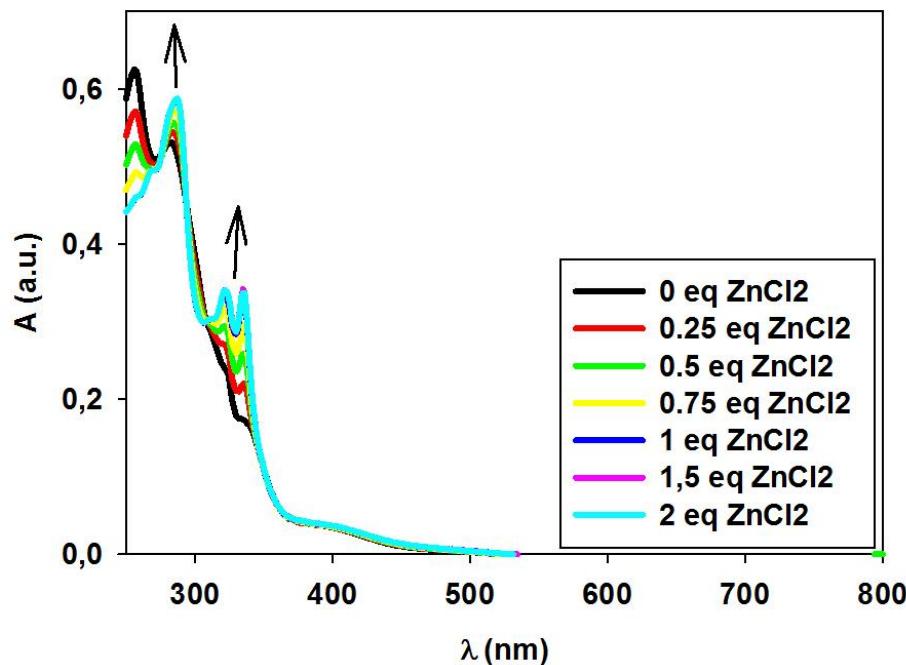


Figure S8: CV titration of **(1)** 10^{-3} Mol.L $^{-1}$ in presence of $Zn(ClO_4)_2$, CH_2Cl_2/CH_3CN (1/1), $v=100mV.S^{-1}$ Bu_4NPF_6 (10^{-1} mol.L $^{-1}$)/ ECS

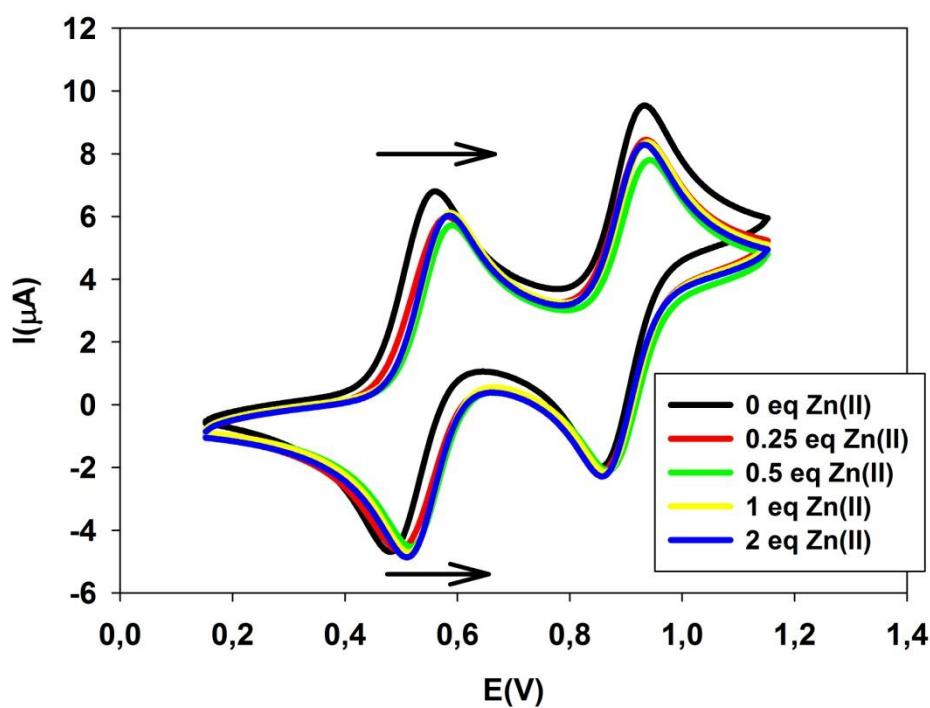


Figure S9: CV titration of (**1**) 10^{-3} Mol.L $^{-1}$ in presence of Cd(ClO₄)₂, CH₂Cl₂/CH₃CN (1/1), v=100mV.S $^{-1}$ Bu₄NPF₆(10^{-1} mol.L $^{-1}$)/ ECS

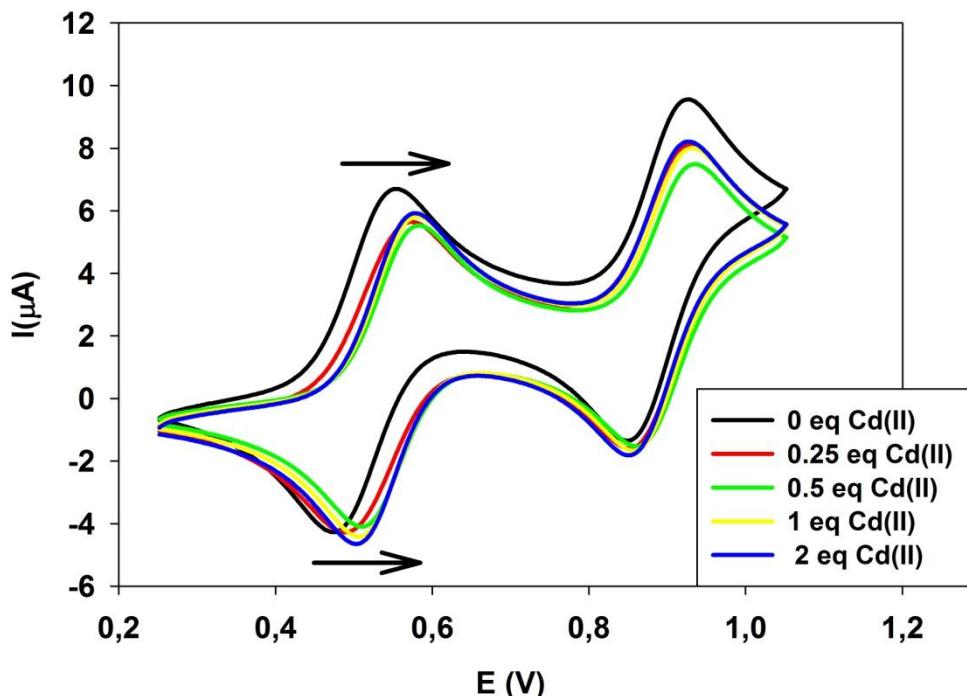


Figure S10: CV titration of (**1**) 10^{-3} Mol.L $^{-1}$ in presence of Fe (ClO₄)₂, CH₂Cl₂/CH₃CN (1/1), v=100mV.S $^{-1}$ Bu₄NPF₆(10^{-1} mol.L $^{-1}$)/ ECS

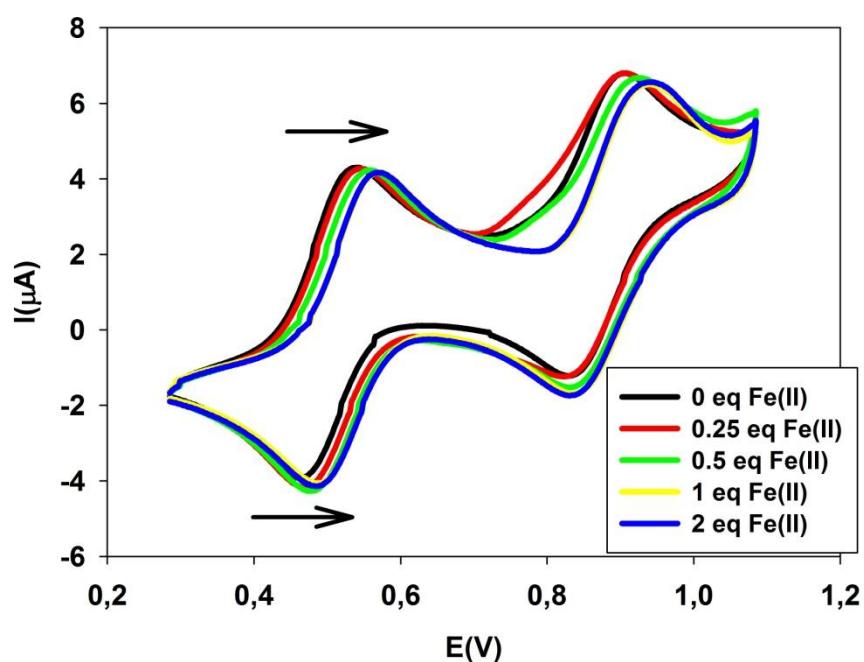


Figure S11: CV titration of (2) 10^{-3} Mol.L $^{-1}$ in presence of $\text{Ni}(\text{ClO}_4)_2$, $\text{CH}_2\text{Cl}_2/\text{CH}_3\text{CN}$ (1/1), $v=100\text{mV.S}^{-1}$ $\text{Bu}_4\text{NPF}_6(10^{-1}\text{ mol.L}^{-1})/\text{ECS}$

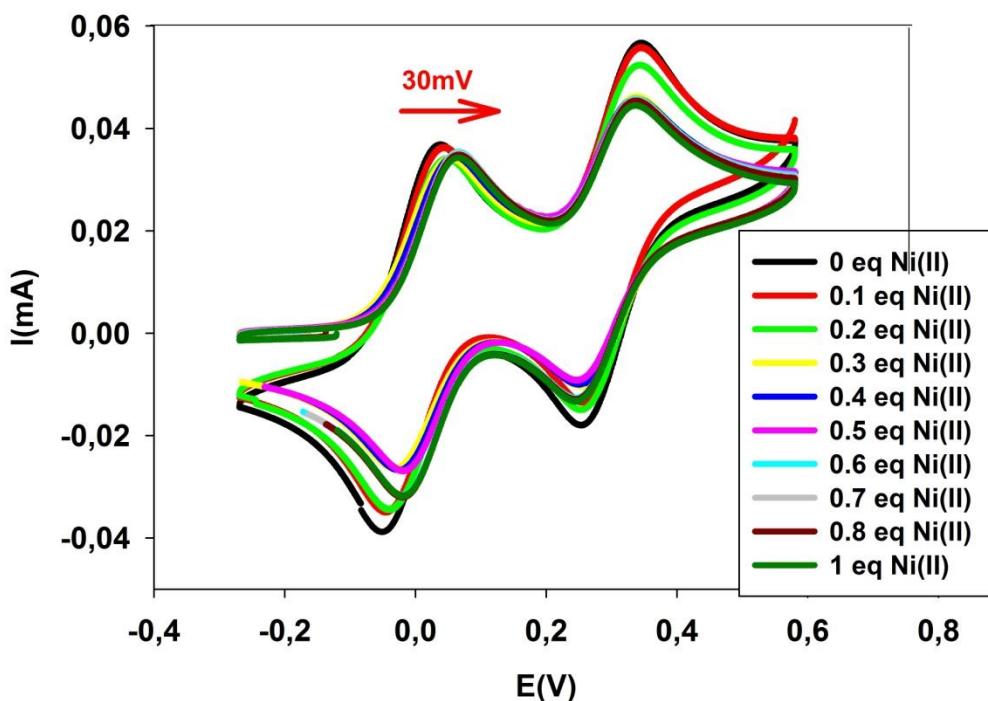


Figure S12: CV titration of (2) 10^{-3} Mol.L $^{-1}$ in presence of $\text{Zn}(\text{ClO}_4)_2$, $\text{CH}_2\text{Cl}_2/\text{CH}_3\text{CN}$ (1/1), $v=100\text{mV.S}^{-1}$ $\text{Bu}_4\text{NPF}_6(10^{-1}\text{ mol.L}^{-1})/\text{ECS}$

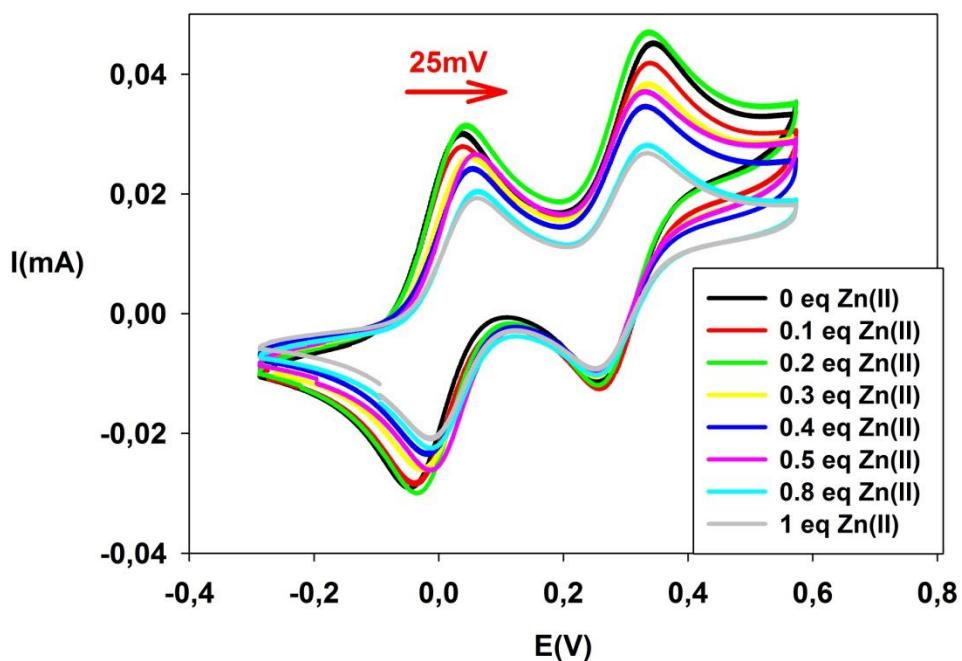


Figure S13: CV titration of (**2**) 10^{-3} Mol.L $^{-1}$ in presence of Fe(ClO₄)₂, CH₂Cl₂/CH₃CN (1/1), v=100mV.S $^{-1}$ Bu₄NPF₆(10 $^{-1}$ mol.L $^{-1}$)/ ECS

