Unusual reactivity of 2,2-diphenyl-1-picrylhydrazyl (DPPH) with Fe^{3+} controlled by antagonistic reactions

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Supplementary Information

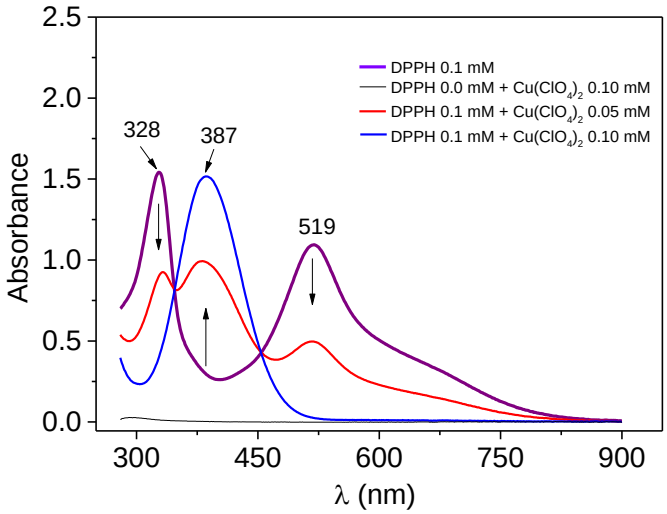

Figure S1. UV-Vis spectra of DPPH 0.1 mM in TBAHFP 0.03 M acetonitrile solution, in presence of controlled amounts of copper perchlorate (0.0 mM, 0.05 mM and 0.10 mM).

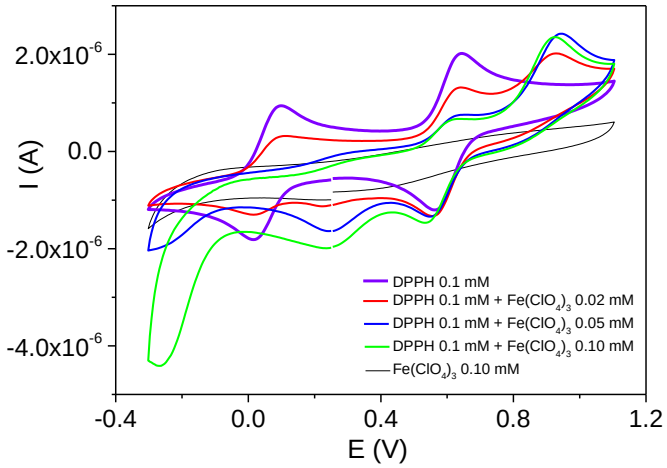

Figure S2. Electrochemical signals at equilibrium of DPPH 0.1 mM in TBAHFP 0.03 M acetonitrile solution, in presence of controlled amounts of $Fe(ClO_4)_3$ (0 mM, 0.02 mM, 0.05 mM, and 0.10 mM). The signals were recorded by cyclic voltammetry at stationary glassy carbon electrode at 50 mV s^{-1}.