

Supporting information:

**Copper Complexes of Nitrogen-Anchored Tripodal N-Heterocyclic
Carbene Ligands**

Xile Hu, Ingrid Castro-Rodriguez, and Karsten Meyer*

Department of Chemistry and Biochemistry, Mail Code 0358, University of California,
San Diego, 9500 Gilman Drive, La Jolla, California 92093-0358 (USA)

E-mail: kmeyer@ucsd.edu

Figure S1. Cyclic voltammogram of $[(\text{TIMEN}^{t\text{-Bu}})\text{Cu}](\text{PF}_6)$ (**11b**) recorded in acetonitrile solution containing 0.1 M $[\text{N}(n\text{-Bu})_4](\text{ClO}_4)$ as electrolyte, showing peak separation $|E_{\text{ox}} - E_{\text{red}}|$ and ratio of current $I_{\text{ox}}/I_{\text{red}}$.

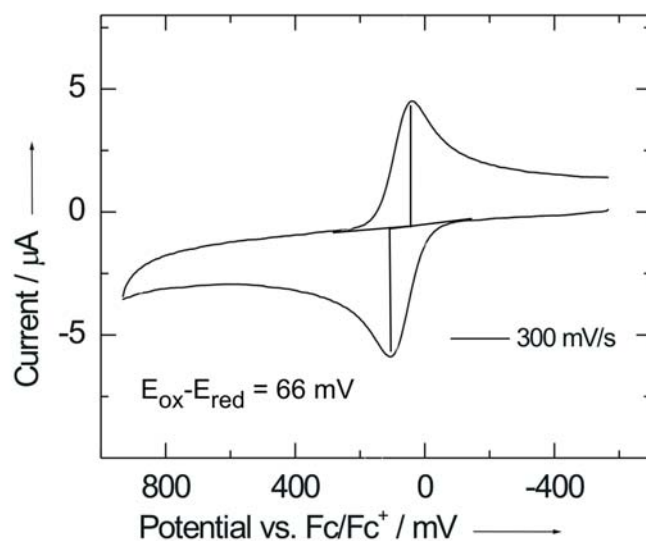


Figure S2. Cyclic voltammogram of $[(\text{TIMEN}^{\text{Bz}})\text{Cu}](\text{Br})$ (**11c**) recorded in acetonitrile solution containing 0.1 M $[\text{N}(\text{n-Bu})_4](\text{ClO}_4)$ as electrolyte.

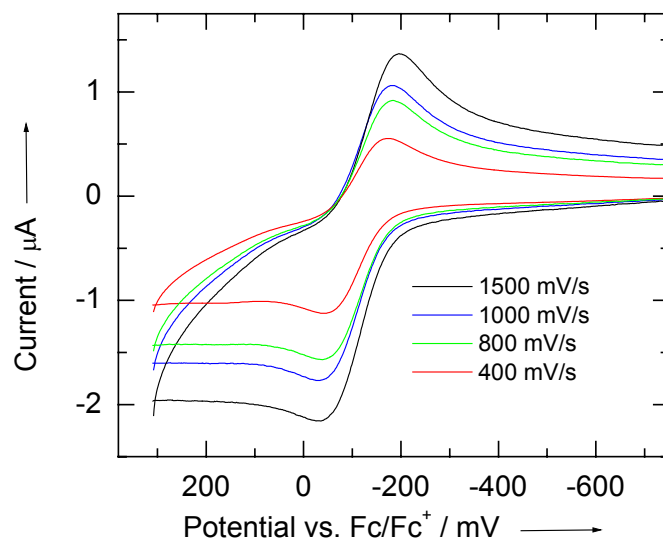


Figure S3. Energies and relative positions of metal-based frontier molecular orbitals in the system of $[(\text{TIMEN}^{\text{Me}})\text{Cu}]^{2+}$ (alpha spin).

